

acaccctttg	ggaaccagaa	aatgtgtttt	ccaaagtaat	ttacttcggt	tgctttgttt	117240
tgttttgttt	ttagacggag	tctggctctg	tgcgccaggc	tggagtgcgg	tgaagcgatc	117300
tcggctcact	gcaagctcca	tctcccagg	tcacgccatt	ctcctgcctc	agcctcccga	117360
gtagctggga	ctacaggtgc	ccgacacctc	gcctggctaa	tttggtgtat	atTTTTtagt	117420
agagacgggg	tttaccatgt	tagccaggat	ggtctcgatc	tcctgacett	gtgatctacc	117480
cgctcggcc	tcccaaagt	ctgggattac	aggcgtgagc	actgcacccg	gccttgTTTT	117540
tgTTTTttga	gacacagtcc	tgctctgttg	cccaggctgc	aatgcagtgg	tgtgatctca	117600
atctcagctc	actgcaacct	ctgcctctga	ggttcaggcg	attctcccac	ctcagcctta	117660
taagtagctg	ggattacaag	tgacaccac	caggcccgcc	taatttttgt	atTTTTtagt	117720
gtgatgggg	ttcaccatgt	tggccaggct	gacgtcaagt	gatccgcccc	cctcaacctc	117780
ccaaagtgt	gggattacag	tcgtgaggcc	accacgcctg	gctgggaact	ttgttatgat	117840
ggctagtgg	ggctcacaag	tgggctcaca	aaagcctgat	taaggccttg	tcagctcctg	117900
cctgggtccc	gattctaagc	ctctgtctcc	cctgaccacg	accactttgc	cctgtgggtc	117960
aagcctctaa	gaccagccga	ctctaggcag	aagaaagt	tatcataatt	atcttatagt	118020
aatactacta	ccaagtagtg	ttaagtat	tttcatttgt	tttgagact	aggcctcact	118080
ctgtcatcca	agctgggg	cagtgggtga	atcatagctc	actgccgcct	cgaacctgg	118140
gtcaaggga	cccttcggcc	tcagtctccc	aagtagctgg	aactacaggc	ccacctaggt	118200
aactTTTTta	TTTTtatt	tttgtagaga	tgggggtgtc	actatgttgc	caagggtgg	118260
ctcaaactcc	tggcctcagg	cgatcctccc	aacttggcct	cctgaagtgc	tgggattaca	118320
agcgtgagca	tacatacgg	tataataata	tgtgtgtgta	tatacatata	tgaatatatg	118380
tggTTTTtta	tatatataat	atgtgtaata	tacacagaca	cactTTTTtt	tctTTTTtga	118440
gacggagtct	cgccctgttg	cccaggctgg	agtgcagtgg	cacgatcttg	gctcaatgca	118500
accttcacct	cccgggttcg	agtgattctc	ctgcgtcagt	ctcccaagta	gctgggataa	118560
caagTTTTatg	ccacgacacc	cggctaatt	ttgtattttt	cgttgagatg	gggtttcacc	118620
atgttggcca	ggctgatctt	gaactcctga	cctcatgacc	caccgcctc	agcctcccaa	118680
agtgttagga	ttataggcat	gagccaccgc	gcctgggcag	acacacttta	taaagactga	118740
aaaagtccac	taaaatgtta	gcagttaaaa	tgttaata	tatgcgtgtg	aatgtatatt	118800
tatactatta	tatgcatata	catatatcca	ctgtgatgta	ggtcttatt	ttctaata	118860
aagttaggac	ctcactatt	cgttatgtgt	tcttttcacc	tagcaacatg	ccttgagcgc	118920
tectgectgt	ccttggatgg	tcttcctcgg	cagcagcatg	gaaggcgggg	cggTTTTcta	118980
tttgtggctg	tatcacgaag	cacttaagca	atccacagac	atgtagggtg	tttcctatt	119040
tttcccact	gtaatcatga	ggaaaaaat	gtaagaatta	ttttcacctg	aagaatgttc	119100
cagtgaagaa	cgttctcaaa	gtgaaaactt	cgcacacatc	tacagggttc	cttcgggcta	119160
tgtttctagg	gtgaatggct	gagatataag	tgatgtgcta	ttcaaggcct	ttgatcggt	119220
gtgggggaga	ctcggggcag	gagatgtttt	tggcgtagcc	tgagacacca	tcacatcatc	119280
tgtatctgct	aattccttcc	acaccgcctc	ccaagatgga	gccaccccca	cacctcagtt	119340
ctacaagggc	gtctgtcttt	ttccttatac	tcaaggaata	atgaaagt	gtatacctta	119400
tacctatgat	ttggaaagt	gttctctttt	tcctttttct	cttttttttt	tttgagacgg	119460
agtatccctc	tggtgccag	gctggagtgc	agtggcacaa	tatcggetca	ctgcaacctc	119520
cgctcccgg	attcaagcag	ttctcctgcc	tcagcctcct	gagtagcttg	ggttacaggc	119580
tcgtgccacc	atgccagct	aatttttgt	tttttagtag	agttgggggt	tcacctgtt	119640
ggccaggctg	gtcttgaact	cctgacctca	agtgatcagc	ctgccttggc	ctcccataat	119700
gctgggatta	cagggtgtgag	ccaccacacc	aggtcttctt	ttttcttttt	gtagagatga	119760
ggtctcgcta	tgtggcccag	actggtctgg	aacttctggc	ctcaagcaat	cctcctgect	119820
cagcctccca	aaatgctggg	attacttaca	ggtgtgagtc	actgtgcccc	gagaaagt	119880
tcctgtttct	acctgtccaa	ctgccttcta	tgtcctgggg	ccctggccct	tgcaacagtg	119940
cacagggttt	agggcgctgt	gatttgcagg	cttccctgaa	gtcagtcctt	acctgcttgg	120000
atctctagat	agaacagcgc	cctcttctag	gagtcacact	gatgcatttg	tccacctgtg	120060
ggactctccc	ggccctgagt	tgttcagcag	acgttggatt	ctcagtaaat	tggagttcct	120120
ttccattacc	taccocgtga	tgtgtccgtt	ccatgtgcca	aaattatctg	cttccccctc	120180
accaatcaaa	acaccttatt	ttgctaagaa	gacagaaaga	aggtaattct	ctggagttga	120240
ttctcacatt	gaaatgaatg	gcctctcttc	attctctctg	agacaattcc	ccctTTTTtt	120300
TTTTTTTTtt	TTTTTTTTtt	gagagcaagt	cttgcctctgt	tgcccaggct	ggagcgtgg	120360
gatgcaatct	ctgctcattg	caacctctgc	ctcccaggct	ccagcaattc	tcctgectca	120420

gcctcccaag	tatgtggatc	tacaggcgca	tgtcaccacg	cctggctaata	tttttgtatt	120480
tttagtagag	acagggtttc	gccatttttg	ccaggctggt	tttgaactcc	tgacctcagg	120540
taatctgcca	gccttggctt	cccaaagtgc	tgggattaca	ggcgcgagcc	accgtgcctg	120600
gcctgacaac	tcccagtttt	caagagaaac	agtaacaaag	gcaatggaaa	aggccaagca	120660
attatatggg	gagaggaaaa	tatttgacct	gtcagtcatc	agcctattga	agattttctc	120720
ctctttgagt	tcagcatctc	agagcaatgt	gtgcttcttt	tatatatttc	gggagcaaca	120780
atacttcatt	aaatagataa	gtgcagaaca	taaatagtgc	agaatctgct	attgggttg	120840
agaggggggc	actgaacaac	tgtataagt	ggaggaagag	agtggaggtg	ggtgaatggg	120900
aaaaacatga	aattggagag	attcacaatc	acctctctct	tgcttcttaa	agatggcggg	120960
tcccgaagat	tatctggcca	cctggccgag	cctctgccag	ggaagggtga	aaaggagagc	121020
acagtggagg	gagaggagg	agtgtcaaag	agaagcagga	aggagagagg	tcagaggagc	121080
cacctcaggc	tgtggcttgg	ggagaggagg	cgatgtctgt	ttgcagagga	tttgtaggaa	121140
atgtctcatg	tgatgtgctg	cctaaagatc	tcttggggcc	atctgggtat	gcttcaaggc	121200
ccctggaatc	caatttcggg	tctactact	gtccctgaca	ccatgctgtg	gtggctcctg	121260
ggattgaagc	agtgaggaca	ggcttgagaa	aggagggag	gagggaggaa	taggatcgaa	121320
atattaatat	tggctgggca	cgggtggctca	cgctgtgaat	cccagcactt	tgagaggccg	121380
aagcggggcg	atcacctgag	gtcaggaggt	cgagaccagt	gtgaccaaca	cgggtgaaatc	121440
cagtctctac	taaaaatata	aaacttagcc	tggcatgctg	gcaggtgcct	gtaatcccag	121500
ctgcttggga	gactgaggca	cgagaaccac	atgaacctgg	gaggcagagg	ctgcagtggg	121560
ccgagatcat	accactacac	tacagcctga	gggacagagt	gagactacgt	ctaaaaaaaa	121620
aaagataatt	aatactgagt	gctactgtgt	gctgtgatgc	taccaagcta	gaagaccagc	121680
cttaccagat	cagatggcct	gggtttgagt	tccagttctg	cccctccctg	gctgtgtggc	121740
cttggggagt	tggttaacct	ctcagcagct	ctgtttctcc	tctgtaagg	agcccaccac	121800
ccaaaacaga	tgtgagggat	gaattacccc	ggcacgtcac	gtttaatata	tgcttgcaat	121860
tgccctcggt	atgaccgcg	cacctgctct	gccatcacc	tcttttaatc	ctcgccataa	121920
gccagcaagt	tcagtagggt	ctcattttcg	caaagaaaca	aaggctcagc	gctggcaagg	121980
gaaagagctg	agtcagggtc	tggcttcaaa	ttcatgcttt	ttgacctca	cagctgcctc	122040
tgggtccagg	agctgttcta	agtcgcgac	ccccattca	ttcctatctc	agagtcaagc	122100
gtggtgccat	aacaattcat	ggccagtggg	gaggcttaaa	acaaaaggaa	tttaatctct	122160
tggagtccgg	gaagccagaa	gtcggaaacc	aagggtgttg	caggggtcac	cgctctccag	122220
aggctctagg	gatggatctt	ttcttggccc	ttgcagcccc	cgctggctcc	ttggtttgta	122280
gtattagggt	ggtgcaaaag	taattacggt	ttttgccact	ggatgtaata	gcatcacttc	122340
aacctctgcc	tctgttttca	caggttcttc	ctccgggtgg	ctctgtgtgt	cttcttttct	122400
gtctcattag	atttaggggc	caccctaate	caatgtgagc	tcactctggat	cctgatctga	122460
attaccctctg	caaagacctt	atctccaaat	aagggtcacat	tctgatgttt	taagatgcac	122520
atgaacttca	ggaggccaca	aaccacaca	aatgaatggc	cacagccttg	caagcttcct	122580
gacaacaatg	tcactctctc	caggggcttg	agatcctgca	cacagagcac	agccttggct	122640
ggaagcagca	ggggtcccag	cgggagtcac	cagggggtga	gggaagtgca	tgggggaagt	122700
ggggtctggc	aaaaaacagc	taggcggggg	cagtgtcaga	aatcctcatt	tgacactagt	122760
catcagccgc	aagacctcga	atgagtcctt	ttatgtcttt	gcgtcacttt	cctcctctgt	122820
acaagaattc	aatagttacc	tgtgctggag	gctttctgtg	tattatctca	tttaatctct	122880
atcttactga	gatgactctg	aggcttagag	aaggaaagt	acttgttcaa	catcacacag	122940
ccagatcatt	gcagagatag	tattcaaacc	cagcttgtgc	tctctctctc	ccccccacc	123000
ccccttccac	tccacaacca	cgtgacctta	accacgtaat	ccagcctcct	ggtgagggt	123060
gaatgcattt	gtgcttgcga	aagtgcgtag	ttaaccaccc	cacgatatga	gtatccttgt	123120
ttttctcatc	acagttcaga	tgggcaacct	gatttccatg	ggacagatgc	tgaacacggc	123180
aacacaccct	ggggcgaggc	gtgggacgaa	gagaattaat	cacatcccag	gaactggcat	123240
tttacctcca	tccccggggg	aggatggagg	cgggtgtgcc	aggctccagg	tgcttagctt	123300
ggatttgggg	caaagaatgg	aacaaagacc	tatgttgaaa	agtcttgctc	aaggatgttt	123360
ttcttcccca	agagaaagga	acgaagccta	aagcttgaat	cagatacaaa	tcgttagaat	123420
cctttcttgc	catgagctgt	ctctgcatca	ggcactgtgt	tgggctcatt	gtaaacctca	123480
tctttttttt	tttttttttt	ttttgggtgg	gcagggtctc	gctctgtctt	ccaggctgga	123540
ttgcagtggc	atgatcttgg	ctcactgcag	cctcaacctc	ccgggtctca	gcaatcctct	123600
cacttcagcc	tcccagtag	ctgaaattac	aggttcactc	caccacaccc	agtgactttt	123660

tttgtactat	ttgtagagat	ggggttttgc	catgttgccc	aggctggctc	cccaactcct	123720
gagctcaagt	gagtgcacca	tctcagcctc	ccaaagcgct	gggattacag	gaatgaatct	123780
catctcattt	gatctgcaca	ataccttagg	ccaggggttg	atatacctatg	gccaggggac	123840
caagcgcagc	cccatgcttg	atgttgtaag	tagagttgtt	ctggaacact	gatcacgctc	123900
attcatttac	atgtcattta	tggctgcttt	tgcattgcaa	aaactgagta	gttgccacag	123960
agactccctg	gcccacgaag	cctcaaatat	tcactacctg	gctctttata	gaaaaagtgt	124020
gccaaacctt	tccctgggtg	gtatactgta	atctctccag	tttaaaagt	aggaaagcca	124080
ggtttatcca	gtaacgataa	taactaacat	ttatcgagca	tttatcacat	gccagcacct	124140
gtgcattacc	ttatctgatt	ctcaaaacag	ccctgggtgg	tcagtgtgt	tatcccattt	124200
catagatggg	gaagtcgagg	ctcaggaaa	ggagtaagt	atggagggtga	gatttaaaac	124260
aagatctctc	ttactccaaa	gctcttggtg	taatcaacca	tattcatgta	agaactacct	124320
ccctacgtaa	gtaccatcat	catcataaca	aaactgagta	gactgtattg	ctttagacac	124380
agagggagta	gttattccca	gacatcagtg	ggcaagggtga	atatctagg	aggttggtta	124440
agaaacaatt	ccctgcctcc	acctccaagg	attaggataa	acctgggttg	gggtgtgtgt	124500
tccagggacc	ttaatgaagg	aggtcttcag	atcagagtga	aaaatgctga	tacaggacct	124560
gaataaatga	gtatcacaca	cagtcagttt	ctttccagtc	tgaacttgtg	tgatagaaat	124620
tagcctgcta	gactgttctt	ttcttgatca	cattttccaa	ctagaaggca	ggcatccgac	124680
agctgccaa	gaatgtctcc	acgaggagga	caaatcacgg	gaagaaacgg	gaggagcatt	124740
tcaagctggc	tagagacaac	aagtctctca	cgcacacttc	caagcaagag	cttgcttgct	124800
gtgtggagac	agcaaagcat	gaaggcacag	acgtcccag	ggctccaact	gccactgctg	124860
tcattgagct	tccaggagct	gagtcacttc	tgggggaaga	ggcagctaaa	tccatcttcc	124920
catccccaaa	tgccacccca	gggagatgca	tgcttctga	gcggtggcac	cagcaaacia	124980
gagctgagca	cccgggcagc	cctggtatgc	accagcaggt	ttaatcactg	atctcaaaac	125040
aaaacaaaaa	gtaaggctac	ccagggacag	gagtggtgga	ggtgatagag	gatgagggct	125100
ggtgatctaa	aaacttctag	tttaaataca	agcttgagg	gttaaactgc	tggggaccag	125160
agagatacct	ttcctagccc	atcttttcca	atcaggggtc	atggtaggaa	tttaagctca	125220
gggtgccctg	cacaacctct	gcctttactt	ctgctttata	actttacgtg	cctagtactg	125280
gccccagagc	ttgctcattt	tgggtgttta	ccggagccat	gatctagctc	atatcaacct	125340
ctctttctag	attaataaaa	tgaggcttag	agagggtcata	agtgattggt	caaactcact	125400
cactcaattg	ttgcagcaac	atcaagggtt	ctgtctagat	cctgctactc	gctgcacaga	125460
aagccaatca	ctgaggcaat	gagtattgcc	agagaaggct	ttaattgggt	gctgcagctg	125520
aggagatgga	aagagactca	aatccatctc	ctcaaccac	taaaattaga	ggtagcaagg	125580
aagaaacgca	accatgtgtt	acattgtgat	acatccctat	tctttttttt	tttttctggg	125640
aaattattag	gaaggggtaa	ggaagagaat	ctggtcaaca	ggatgcaggt	ggttggttag	125700
gcaatcgtga	tggttgagga	gtctggcatc	tcattgtcca	catatagtga	tctggtaaat	125760
ttcaattcct	taatactatc	tggaaggccg	agaggtcagt	ttcttgagaa	aggaactcag	125820
gtaaaatgaa	tgtaaacttt	taaaatttta	agattaggag	ggggtgggc	acagtggctc	125880
acgcctgtaa	tcccagcact	ttgggaggt	gaggcaggtg	gatcacaaag	tcagatagag	125940
accatcttgg	ctaacacgg	gaaacctgt	ctctactaaa	aatacaaaaa	attagccggg	126000
cgtggtggcg	ggcacctgta	gtcccagcta	cttgggaggc	tgaggcagga	gaatggtgtg	126060
aacctgggag	gcggaagctt	tagtgagcag	agatcgcacc	gcggcactcc	agcctgggtg	126120
acagagcaag	actccgtctc	aaaaaaaaaa	gaaaaaaaga	aaacaaaaga	ttaggaaggt	126180
aaatttttgt	gtttattcaa	acaaaacaaa	acaccgtaaa	catcagttct	aaggggcaat	126240
tggggcagtg	ctataatgag	tggtagaaat	gaaactcaaa	cccagatcta	tctgatccca	126300
atgcccattg	tctaagggtca	aaagagctac	aaaacagtg	ttccaaaact	ctcaacactg	126360
catagaattt	accccagcta	catattctgt	actctgtcat	ataccactca	gtatgtcatg	126420
acattcactt	tttttttttt	ttttttgaga	cggcgtctcg	ctctgtcacc	caggctggag	126480
tgcagtggcg	tgatcttggc	tcactgcaag	ctctgccctc	tgaattcacg	ccattctcct	126540
gcctcagcct	cccaagttag	tgggactaca	ggcgcccacc	accacaccag	cctaattttt	126600
tgtactttta	gtagagacgg	gtttcaccac	gttagccagg	gtggtctcga	tctcctgacc	126660
tcattgacca	cccacctcgg	cctcccaaag	tgctgggatt	acaggcgtga	gccactgcgc	126720
ttggccgaca	ttgacttttt	ttactcaaac	tccctaaccg	aaatgtccca	tgacatccac	126780
agacaataaa	tgactctttac	ttggcataat	tagaaaaatag	ccatgaaaat	aaacctgagg	126840
aaacaaaqca	atactqttaa	attcttgcta	aatactatag	cctgcttaag	gttcagaatg	126900

aagcttgaat	tttctttctt	aacaaggtga	atcagcaagt	actaggggca	ttaaagacaa	126960
agctagcacc	aaattgtggc	tttctccttt	aggtaaatcaa	aaaggttgat	aattggggag	127020
aaaatgcgta	gctttcctga	agggaaattc	attgctgttt	gatggtacaa	gcatgaaagt	127080
accactgggg	gtacctatcc	catccctgt	tgtagaatag	aattccagtc	ctttgcgttg	127140
gaaaggtctt	aaacgacgtt	ttggtcagcc	tcataacctgt	gttgatagg	atgtaaaatg	127200
acttggcaag	atgtggttcc	cagggtcctt	caacaaacgg	ttctcattca	aacttcagtg	127260
agaactcaag	ctagaaggac	aattctcagc	catgggttaa	gtcctactca	aagaggaatc	127320
agccattttg	agcgattatt	tcaaccagc	tcatataaca	aaggcaatta	aatgaagggc	127380
tgggggtggg	ggtgctattc	atttcagtc	ttggaatata	cttgggtcac	agccgctgca	127440
tttagggaag	gacatgaggg	actcaggtag	ggggagtcag	tgttggggga	gaatcaactt	127500
tcacctaata	tgtccttttc	tcttgtttgg	gtttttaaat	atactttttt	tttttaatac	127560
ttttatattt	ctagaaaatg	tggctggatg	tgggtggtca	tgtctgtaat	cccggagctt	127620
tgggaaggctg	aggggaaggg	atcacttgaa	gccatgagtt	taagaccagc	ctgggcaaca	127680
gagcaagacc	ccatctctac	aaaaataaaa	tgtaaacatt	agccagatgt	ggtggcacac	127740
agctgtggtc	ccagctactt	gggaggctga	ggtgggagga	tcgcttgggt	ccaggagttt	127800
gagggttca	gtgatctatg	atggtgccac	tgcactccag	cctaggtgac	agagtgagac	127860
actatcttta	ataaaaaaaaa	aaaaaaaaatt	taagaagagt	tgcaaagagc	ataaagaatt	127920
ccctctact	cctcattaaa	tttccactat	tgttaacatt	accaagaagt	tgacattggt	127980
gcattgttat	taactatatt	cattgaaatt	ttagcaattt	accaatgggt	agatgttaca	128040
tttgcaaaac	agatttaaaa	ttaagaagag	agaaaagaaa	aggggttggc	gtgtgcaggc	128100
accatgggga	gccaggccag	cccttgaaga	gggcaagaga	ggggagtggg	tctgggcatg	128160
ggcttttggg	tttcagagtc	cagctctcac	gcttgagcca	tgcatacagtg	actctgggca	128220
cctcagtttc	ttcatctgca	acactgggga	acaagcatac	ccatctcaca	ggtgattcat	128280
gtaagtgaca	agcatacaga	aagttctctg	taacatatgt	ttgctcttat	atacatttaa	128340
taactatgca	ttgagaacct	gcttcgtggc	agacctgct	ctaagcaatg	gggaaggagc	128400
aatgagcaaa	acagacaaaa	atctctgccc	ttgtggacct	gagcttctag	caagaggctt	128460
acactgtttg	ggagaacagt	tgctctaata	atctgcaggg	gtcattgggt	taagacagac	128520
gtcgcttcaa	gccttggttc	tatcactaat	tgtgcgacct	gggcaaatta	cttgatctcc	128580
ctaagtctca	gtttcctctt	ctgtaaaatg	ggactaataa	ctcctgcctc	atgaagttgc	128640
tgtgttaggg	atgaaatggg	atgataact	tgtccctcag	tatccgtgtg	ggattgggtc	128700
caggcctccc	tttgacacc	aaaactcctg	gatgttggcc	gggcgcggtg	gctcatgcct	128760
gtaatcccag	cactttggga	ggccgaggtg	gatggatcac	gaggtcagga	gatcgagacc	128820
atcctggata	acacggtgaa	acgccgtctc	tactacaaat	acaaatacaa	aaaaaaaaaa	128880
aaaaatagcc	gggcgtgggtg	gcaggcgctt	gtagtcccag	ctactcagga	ggctgaggca	128940
gaagaattggc	gtgaaccggg	gaggcggagt	ttgcagttag	ccgagatcgc	gccactgcac	129000
tccagcctgg	gcaacagagc	gagactccgt	ctcaaaaaaa	aaaaaatcct	tggatgttca	129060
agaccgggat	ataacagggt	gaaatatttg	catagaagcc	ccacacatcc	tcctgtagac	129120
tttaagtcac	ctctagatta	cttataatcc	ctaataggat	gcctacacat	cacttcattt	129180
acacagattc	agcataatac	tcaaagtttt	gcttcttggg	aatttgtgga	tttttttctt	129240
gaatatatttc	catccataat	tgggtgaatc	taaggatgcg	gaaccacag	atacagagga	129300
ccaactgtat	acaacatgtg	cttgggtgag	tgcctagaca	tcacaaagag	tggctcagtag	129360
cattattcct	gccatcacag	tgcctttccc	tgaagaagc	cagactaaca	ctggggagaa	129420
aataaaattg	gagccaccat	caaatttgaa	gaacacagac	tcatgggtcat	ggggaccatc	129480
tcttgcccc	tctaggtgag	accacagccc	cgcagctcca	acagacccat	gctgcccctg	129540
agaagagaat	ctagaggggg	ccccctccag	ccttttgtca	agaagccagt	tgctgctatt	129600
gacccaaaag	agagtcttga	atcccaaggg	aatagatctg	cgcccatga	ccaggagacc	129660
aatatctgaa	tgcatttcaa	aggctcctgg	tggcactcta	gacttcgttg	tcatcaatca	129720
ttcatgtagg	aaagaagctc	attccaaccc	ccaagcatcc	tattacggga	tgcaccaagt	129780
gcctcgccct	cttgctataa	cgtgaatgta	atgggaagcc	gcccgttgct	tttaatgagt	129840
caccgtttcc	caaagagatg	aagtcactgc	ttttaaccca	gaagctcctg	gctgctcgat	129900
ttctcccagc	ctgcctcgtg	gagaggatgc	cactgggccc	ccaagagcga	tcataccttt	129960
ctttgcactc	cgccgtccca	tacatcccgt	ctctgtgagg	tcgcccaca	tggagaatt	130020
tgcggctgag	gaaactgaca	ggcttcagat	cctggctatg	attgttattc	tccagtggca	130080
cctcaagcac	atttttttaa	cttctgcgag	tttctgtttc	cccagccaca	tctgacgtgt	130140



caaaggacac	aaaagtaatt	caggaggacg	caccaacagc	acgtgaagac	gcaggcattg	130200
gcgtcaagca	gacatgagta	gatggtccgg	catctttcta	acggccgacc	tcggcfaatg	130260
ccctaaccctc	tttgagactc	agtttcccta	tctgtaaatc	gggggtcata	aaagagagaa	130320
tgtatagatc	agtgcggtcc	aattgaaata	gaacactagc	cacatatgta	atthttgaaca	130380
ttccaggaac	cacattctaa	aaaataaaaa	aggctgggtg	tggaggcaca	tgcctgtaat	130440
cccagcactt	tgagaggcca	agggtgggtg	gcatactact	taagggtcagg	agctcaagac	130500
cagcctggcc	aacatggtga	aaccccatct	ctactaaaaa	tataaaaaatt	agccgtggca	130560
gagcacgggtg	gctcactcac	gctgtaatc	ctagcatttt	gggagtccga	ggcgggtggat	130620
cacctgaggt	caggagtcca	agaccagcct	ggccaacatg	gcgaaagccc	gtcttcctaa	130680
aaatacaaaa	attagccagg	tgtggtgggtg	tgtgcctgta	atcccagcta	ttcaggacgc	130740
tgaggcagga	gaattgcttg	aactggggag	gcggaggctg	cagtgcgccc	agatcgtgcc	130800
actgcactcc	agcctgggca	acagaggggag	actctgtctc	aacaagaaca	acaagaacaa	130860
caaacaaaaa	aaattaactg	ggcatggtgg	cagggtgacta	taatcgtagc	tactcagaag	130920
ggtgaggcag	gagaatcgct	tgaacctggg	aggcggagggt	tgcatgagc	caagatcgag	130980
tactgcact	ccagcctggg	tgacagaacg	gactccatct	caaaaaaaaaa	aaaaaaaaaaaa	131040
aaaagtaaaa	agagctgggt	gcggaggcac	atgctgtag	tctcagctac	tctggagggt	131100
gaggcagggg	gatcacttga	gcccaggagt	ttaagtccaa	cctaggcaac	atagcaacga	131160
gacctgtct	cttaaaaaata	aaaaaaaaaga	taaaaagaaa	tgggcgagat	taatttcact	131220
aacataattht	atttaatacca	atagatctaa	aggattatca	gttcaaaatg	taatcaatat	131280
attaaagata	cgaatgagat	gttttatatc	ctttttggag	ggagtatgga	agtcttaagt	131340
ccagtatgta	tattttaccc	tttaaataga	tctcaattca	ggccaggcac	ggtggctcac	131400
gctgtaatc	ccagcacttt	gggaggccga	ggcagggtgga	tacttgagg	tcaggagatc	131460
gacaccagcc	tggacaacat	ggtgaaaccc	catctctact	aaaaatacacg	aaaatagcca	131520
cgtctggtgg	cacgtgcctg	tcatcccagc	tacttgggag	gctgaggcac	aaggatcacg	131580
tgaacctggg	ggatggagggt	tgcagtgcgc	ccagactgcg	ccactgcact	acagtttggg	131640
tgacagagt	agactccgtc	tcaaaactaa	ataaagggaag	aacagatctc	aattttggaat	131700
ggccacattt	caagtgcctc	caagtcccaa	gtcattgttc	accatcctgg	gacctcccat	131760
tcatctcctt	ctttcttttc	tccctgatac	cttccccttc	ctcaaagatt	ctgtctccct	131820
gagggtgtttc	tccatttcag	gactcttctg	cttcccctctt	aactgctctc	atgaaaggac	131880
ttctgatgga	ccctctcgtc	ccacctccag	cccctggcag	cctatgggtg	gccctgcctt	131940
tgggtcagggc	ctcagcacgt	tcaacctggg	tggagccaca	ggtcacacga	gacctcccc	132000
ttcagcaggg	actgtgagga	aacctttaga	aggagtgtgt	gcggtgcagg	ccccacaggt	132060
cggctgcccc	ctaaatccta	ataggactgg	ctcagctgtg	accagaatc	ccctgcagaa	132120
tgaatgcctg	acttcagctc	tctcaggcag	tgtagtctgt	tgggagccag	gaagggtggg	132180
agaaggacac	aggtatctct	gtggagggga	ctccacagca	gcatctgagc	aaaggcacca	132240
gaaaactgga	gatgggcagt	gataagttgc	aaagagccaa	cagaattccc	ctctaccccc	132300
ctcactcaat	ttccactatt	tgttaacttt	accaagaaac	tgacattggc	acattgctat	132360
taactatatt	gattgaatat	attgattgtg	tgataagggg	cagctgggat	tttccagtac	132420
cctcatccct	ttgtttcctt	actccctacc	ccgactcctt	atctggagct	ggaagggtctt	132480
tgatgagctg	aagaaagaca	cgggttatta	aataataatg	ctgcgacatc	ttcccgaag	132540
aggcggctcag	tgttggcaag	agaaaagctc	gtcttccaaa	tgctctgaac	aacctgaatg	132600
atgagctgga	agaaatgtcc	agggcctcag	aaatcaaaaca	ccatccctct	aggaagggaac	132660
tgggaggaag	gaaagggagg	cagagagaag	gtgtccacag	atgcccttcc	cagggtggact	132720
caaggagaag	ctgtggtcct	tcccctctcg	tgaaccacaa	gattatgcag	aactggctga	132780
ttgtaggaat	ttctttctgg	aaacatgctc	ttcctctgtg	acctcataga	agtccaagat	132840
ctaagaggctc	caagtacaaa	gaaatgacaa	agggagcaga	ggagagcatt	tgatgctgtt	132900
gactttttttt	ttttgttttt	tattttttatt	tttttagatg	gagtctcatt	ctgtctccca	132960
ggctggagt	cagtgggtg	atctcggtc	actgcaacct	ccacctcccg	ggttcaagt	133020
attctcctgc	ctcagcctcc	caagtagctg	ggattacagg	tgcttccac	ttcgctgac	133080
taacttttgt	atthttggta	gagacagagt	ttcaccatgt	tggccaggct	gggcccctga	133140
cttttgcagt	gaaataggaa	ataagggatg	aagggtgaaga	ggtgagattg	aggagttagag	133200
gagaaactaa	gatagcccat	ttggggagga	atcctgggag	gacccaacac	ttgagacaaa	133260
gagtttcttt	cacaagaaag	acaaattcca	gcctaattcct	ctggaagtgt	aatctgagaa	133320
catctgaaga	ctcattctga	gtgcaggagc	caaggctaga	gcaagagctt	catctcactg	133380

ctgctccata	gcctgtgagt	gctttgacat	ttggagttgg	acgcttcttt	gtgctggggg	133440
ctgtgctaaa	cactgtaggc	tgtgcagcag	catccctggc	ctctgcccac	tggctgccag	133500
tagcatcctc	tccccaaccc	aaaatgtcct	cagacactgg	caagtatccc	ctgggggaca	133560
aaatcaccct	ttgttgaaaa	ccacgggttt	agactcagag	tctttctcct	tctttccttt	133620
ctctcttttc	cttccttttt	ctttcttttc	tcctttcttc	cttccttagt	tccatcttcc	133680
cttccttccct	tcctctttct	tcctttctct	ttcttttttc	cttccttccct	ttctcccttc	133740
ccttccttcc	ccatttccct	ttgccccttt	cctttctttt	ttcctttctt	tcctttcctc	133800
tttttatctg	aaacaaggtc	tcactctatt	accaagtctg	gagttcagtg	gtgtgatcat	133860
acctcactgc	atcctcaagc	ttctgggctc	aagcaatcct	cccacttcag	cctcctgaat	133920
aggtgggact	acaggtgtgc	accatcacgt	ccttttaatt	ttgtagagac	ggagtctcac	133980
catgtcacc	agggtgatct	taaaccggcc	tcaagcgatc	ctcccatctc	agaccccaaa	134040
gctgtaggga	ttacaagcat	gagccactgc	acacagccta	aaccagagt	ttttttattg	134100
tgctcccagg	gcacaggtat	gagacttacc	taggtgtgat	taaaaaaaaa	aaatccatct	134160
acctgggctt	ctcctggacc	tactgaatca	aaatctccct	ggaggagacc	cagcaagctg	134220
cccttcaagc	aggtgattct	tcattaaaca	ctctatgcct	cagtttccctg	aaatgggaag	134280
gataatgata	acatctatct	caagggttgg	tatggagggt	aagtgagggg	attcacacat	134340
tgagcacagt	gtgctgaatg	ttagctatta	tcactcacat	taaagggtga	gaagcactgg	134400
tttgagagaga	tatgcattga	gtgctcttga	agagagggaa	gaacaggaac	ccgggggcag	134460
gagagtgaac	gctgctgtga	taaccactct	gctcaaagtc	cagccaagta	ctgtggctaa	134520
tgatgagggg	gcacaatggg	gattatcccg	ccatcctagg	gctttcctcc	ctgcagatca	134580
tcattgttcc	tgttgacttc	atgctccagc	tgccctccca	gctaaaacaa	atactaacaa	134640
ctgatgatac	aaggcaagag	gggtgacagt	ggaaaaaaat	gccaatctgt	gtctcagtta	134700
caaataaaca	caaacttagt	ggcttaaaac	aacacacatt	tattatagtt	ctggaggaca	134760
gaggcccaac	ggacgtgaaa	atcagggtgt	tgaaaccaac	acaagtagtc	ccatagacag	134820
tttttttctt	tcttgataaa	catagaaatt	gacctttctg	gtcttaactc	ttgaaactta	134880
aagtttgttt	tatctgagtt	ccttcctcag	gaggggaattc	cttgccctctc	aaataagtat	134940
caaagaactg	aaactcacca	gattacagca	tccagacaat	gagatgccag	accctcatt	135000
catcgggatt	gcttccttgc	ccgtcccaag	ttcctgtttt	gttacacatt	gttacatctc	135060
ttccctgctg	tataaacctt	tgattttagt	tggtcagggg	gatggatgtg	agactgagtt	135120
actggctcct	tggctgcaac	acctgagtaa	agcctccttc	cttagcaata	attgttgtct	135180
cagtgtcggc	cttctgtgca	gtgagcagca	ggacctagac	gaatcccctg	gtgttttggt	135240
aacagtgtca	gcaggattgc	ctgtccttct	tggggctcta	aggaagaatg	agtttccttg	135300
ccttttctag	cttctacatt	ccttgccac	ctacattcct	tggcttatgg	ccccttgctt	135360
catgttcaaa	gccagcaatg	gtgaatggtg	aaaggctggc	tctgcccctg	cctggctctg	135420
cccctgcctg	gctttgtgcc	cctggacaag	ttattttaa	tctctgagtt	tccacttta	135480
aaaatttccc	ttgtgggcct	ggcacagtgg	ctcatgcctg	taatcccagc	actttgggag	135540
gccgaggcgg	gcagatcacg	aggtcaggag	atcaagacca	tccctggctaa	catggtgaaa	135600
ccccgtctct	actaaaaata	aaaaaaatta	gccgggcgtg	gtggcggggc	cctgtagtcc	135660
cagctactcg	ggaggctgag	gcaggagaat	ggcgtgaacc	cgggaggcgg	agcttgtagt	135720
gagccaagat	cgcaccactg	cactccaggc	tgggtgacag	agcaagactg	tctcaaaaaa	135780
aaaaaaaaat	ttcccttgta	aagtgggtct	attaatcctt	agcttgtaat	atttgttcat	135840
ttcataatag	ctagtttgtt	ggctggtaag	tgagttatgt	aactttccca	atcctcagtc	135900
ttcattacct	gttaactggg	gataataata	gagggtagcc	ttggatgcag	tgaggattga	135960
atgacagatc	gtatataagg	ctcttaatgt	ggtgcctggt	acatcataag	gacagtgagg	136020
acttggtgaa	tgtcagttat	cacaatcact	gtctctatcc	tcaccataat	cactatcact	136080
atcataatca	tcaccactat	caccattatc	tttaccatca	ccatcaccac	tatcactatc	136140
accaccatca	ctgtcattat	caccatcact	agcacatcac	tgtcatcgtc	accattatca	136200
ctatcaccat	tatcaccatc	attactatcc	ccaccatcac	catcaccatc	atcacgatca	136260
ctgtcatcat	caccatcacc	accatcatta	ccaccctttt	catcatcacc	atcaccacta	136320
tcaccaccac	caccaccatc	aacatcacta	tcacatcat	tgccaccacc	accatcacca	136380
ccatcaacaa	aagaaaaagc	agccaaactc	agaattccac	atcagctgga	actaggggtt	136440
gggaagcaca	gaggacatta	gcccattggg	attctttgcc	ccaacttcac	ctccctccca	136500
gaactccctt	ggctgggaat	atcccacctc	atacaccatc	ccattctgtg	ccctcttgga	136560
agatgagaag	caccaaaggt	cttgtgtccc	acctgcaatg	tccacaaata	ctaataatag	136620

gcttagagaa	gagaaatgag	aagagtgata	ttaagataat	aaaagtaggc	caggcgcggt	136680
ggctcacgcc	tgtaatccca	gcacttcggg	aggccagaggt	gggcagatca	cgaggtcagg	136740
agattgaaac	catcctggct	aacatggtga	aacccccact	ctactaaaaa	atacaaaaaa	136800
ttagccaggc	gtggtggcag	atgcctgtag	tcccagctac	ttgggaggct	gaggcaggag	136860
aatggtgtga	acccgggagg	cggagcttgt	agtgagccaa	gatcatgcca	ctgcactcca	136920
gcctgggtga	cagagcgaga	ctctgtctca	aaaaacaaaa	aacaaaaaac	ttagctgggc	136980
atggtggtgc	acgcctacag	tcccagctac	ttgggaggct	gaggcaggag	aatcgcttga	137040
accaggagg	tggagatcac	gccactgcac	tccagcctgg	caacaggcaa	cagagcgaaa	137100
ctccgtctca	aacaacaaca	ataataataa	taataataaa	agtaaattag	gccggggcgtg	137160
atggctcaca	cctgtaatcc	cagcactttg	gaaggccgag	gtaggcggat	cacttgagggt	137220
caggagttcg	agaccagctt	ggccaacgtg	gtgaaacccc	acctttacta	aaaatacaaa	137280
aattagccag	gggtggtggc	gcatgctgta	atcccagcta	ctctggaggc	tgaggcacia	137340
gaatcactta	aaccggggag	gcagagattg	cagtgaagctg	agatcgagcc	actgcactcc	137400
agcctgggca	acagagcaag	actccttctc	aaaaaaaaaa	aaaaaaaaaa	aaaagataaa	137460
aaaaaggaaa	tttaccacaa	tttcttgagc	ctttttaaac	tttttttaagg	ctccaataag	137520
atcattaagt	cctttctgga	ataaggagag	gtagtaataa	acaaattctt	tgttgctttc	137580
aaatcagttt	atgcgttact	caagaaaagc	agttaaaata	actttacatt	aaatttcatt	137640
tgatcaacca	ctttattcaa	acaccttggc	ccagaatgac	tttggttatt	ccaaaaagca	137700
aactccgtct	aaggcaaagt	tttatcacat	taaggatatt	cacaagactt	tgccacagat	137760
tgggactgca	gttcccagggt	gggacttcca	gaaagattgc	atttgaatta	cgtgtgtgtt	137820
atttccagggt	tgagactttg	aaagagatga	cacaagagtt	ccggcaaatt	atthaacaaa	137880
ttgtaatgtc	atttttacatt	actcagtgtc	ctctcccaa	cacttcaaag	tgaccttcaa	137940
tgaatcacca	aaccatgctg	tcatatttct	tccaatgaca	agcagaagggt	ctccgattgc	138000
tttctaaggc	cctttgggac	catatgagag	aataaagtat	atacttcta	attcaaagca	138060
aatcattagg	gctgtggaat	taaaattgtg	gaaattgata	aacctataat	aacaacaatt	138120
gcccggttaa	aattgcataa	acaacaaatc	tttttcggca	cttctgtagg	ttcattctgt	138180
tactcaagggt	ccatttggtc	tgaaatatcc	cccatccctg	caatctcaga	atgagttcat	138240
gaaaacagac	aattataaat	ctatcctgag	ctatgattca	tgcatcttaa	ccgactccct	138300
aattcttcca	atttacaac	caattcagaa	gtcagtcaag	ggcccagggtc	acgcaaggat	138360
ggttagagga	gcagatggag	ctgcttaaaa	ccatgtgctt	ggcgggggtta	aaatgatgag	138420
aatccagagg	aaaataaatt	gggcctgtct	aaagtaatat	ttcagttttt	aaaaactgct	138480
tagcctgaaa	atcatgtgcc	tcatttaatt	ccctgcaggc	tggaaatttg	acaggagaga	138540
taaattgcac	caggaacatt	attttcattc	agaaaaggtaa	gcccagaaa	taggggtggga	138600
tatatcctca	tctgaatgag	ggtggtctgc	ggagggggga	cgcaggggaag	agcagccagg	138660
ggaaaaacag	gatgtgtgca	ggcgtgaacg	gctccagttc	aatgtgaagt	cagaggggaga	138720
gtcagatcat	ggcagaagaa	ggaagggaagc	aaatctggaa	gcattcatgt	cggactgaaa	138780
atccacacca	gaaggggagat	gtggctctaa	acagggatct	caagcacaaa	ggcaaagcat	138840
cagtactgga	aatccttagg	ggatttaaaa	aaagattaaa	atgcatactc	tgttcagatt	138900
tccttgtttt	tcgcceaag	ttctttttcc	attccaggat	cccacgagg	acagtgcagt	138960
acattcagtc	cttggtgtct	cttagactct	tctacactgt	gacagtttct	cagggtgcagt	139020
agcatgatct	cagctcactg	caacctccgc	ctcctggggt	caagcgattc	tcctgcctca	139080
gcctcccag	tagggggcag	tacaggcatg	caccaccacg	cctggctaata	tttgtatttt	139140
tagtggagac	gggggtttctc	catggttggtc	aggctgggtc	tgaactcctg	aactcagggtg	139200
atctgcccac	ctcagcctcc	caaagtgtctg	ggattacagg	catgagccca	gcctgcccct	139260
gacagtttta	aggggtactg	cacagggtatt	ttgtagtgga	atacccttta	attttgagtt	139320
tttctgatgg	tgagacaagt	tgtgagtttg	gagagaagac	tgacagagga	agtcaccatt	139380
ctcatcactt	tcttcttttt	tttctttttt	tttgagatgg	aatctcatat	tgtcactcag	139440
gtcggagtg	agtggtcattg	tctcagctca	ctgcaacctc	cgctcctgg	gttcaagcga	139500
ttctcctg	ttagcctccc	gagtagctgg	gactcacaggt	gtgtgccacc	atgcctggct	139560
agtttttgta	tttttagtag	agacaagggt	tcgccatggt	ggtgaagctg	gtctcaaacc	139620
cctgacctca	ggtaatccac	ccgcctcagc	ctcccaaagt	gctgggaata	cagggtgtgag	139680
ccatgggtgc	cggccaccat	tctcatcact	tcacatccgt	ggtacatccc	atcaagatga	139740
gttggcactg	ttgatgctga	ccttgagccc	ctggctgagg	gagtgctctgc	cagggtttctc	139800
cattgtaaaq	tttctccttt	cacttcctct	ttggaaggaa	gtcactatac	acagcccaca	139860

cttataggg	agggagttat	gagtgccttc	ttgagagtgg	agtatggtgt	tatttttata	139920
attaaagaaa	aagatgcctg	caatggaaga	tgaagaggat	cacctgctgg	tggagcaaaa	139980
atccagaacc	tcgtgtgtgt	ctcagctaga	actggtgggt	tgggaagggt	cgactgcca	140040
gcagtgcagc	gggagatgca	aaacctgagg	gttcaagtcc	aaagggtgac	ctggctttaa	140100
aagccaatga	tgtcaaaaaa	acaaaaccaa	aaacactgag	cacaaaagct	aggcaatggt	140160
gcagccagtt	gggatacttt	tcataggcac	tgattttttac	tctctctgga	attcctttca	140220
aagacacagg	gtctgctggt	ggatggtcgc	tcctctgcag	ggactggggc	acatggcatg	140280
gcctcctatg	tcatttgggg	gctctttggt	tattcaacat	gcccgccaca	caccaggcaa	140340
tattctagga	gctaggcatg	cagaaatgaa	acatccatcc	tcctgatgaa	gacagacagc	140400
aagccaaaag	ataaacaac	aacatcattt	aggtggacag	ggctaggaag	agagtaaaat	140460
gccattacgg	gggtagacag	tgattgatcc	cggggactcc	tccagatagc	ggggtcacag	140520
aagacctcta	tgagaaagtg	gcatttgagc	tgccactgaa	tgaccagcag	aagctggcct	140580
gggaagacgg	agggggaaga	atgcttcaga	tagaggatcc	acgagtgcag	aagctgtgag	140640
aggtgacaac	acagtgagat	cctgtctcta	aaagaaagag	aaaaggcaga	tgtgggtgga	140700
gcaaaatgag	gaagggaagg	ggtgttccaa	gatggagaga	caggaaagtg	ccccatgatg	140760
cccggcctat	aggccacact	gaaaagtgtg	gatttttagtc	ctagtgggtca	acctattgat	140820
ggtattttcaa	ttttaatttt	aaaaaataca	atcaggctgg	gcgtgggtggc	aggtaatccc	140880
agctacttgg	gaggctgagg	cagtgcagca	agatctcacc	attgcactcc	agactgggca	140940
acaagaggga	aactctgtct	gaaaaaaaga	aagaaagaaa	aaaaaaagtc	actgtgtttc	141000
ccatgagagt	gtgatctact	aaggagagcaa	gtatagaaat	aggaagacct	gctactgcct	141060
caaagaattg	ttaaaggatc	gaacgcctac	taatgtgtgc	aaagcctggg	acatagcagg	141120
aatgcagtaa	atgcaataaa	agaaaatagc	tgcaagtaag	gctatcagta	aatgcactac	141180
tggaactggg	gtggtggctc	acgcctgtaa	tcccaacact	ttgggaggcc	gaggcgaggaa	141240
gattacttga	gctcaggagt	tcgagaccag	cctgggcaat	atatcaagac	ctcatctcta	141300
caaaaaatac	aaaaaccaaa	atagccgggc	atggtgggtg	tgctctggt	cccagctact	141360
cgggaggctg	aggtgggagg	attgctcaag	cccagaaggc	ggtggagggt	acagtgcagc	141420
gagatcatgc	cactgcacca	cagcctgggt	gacagagcaa	gacctgtct	caaataaata	141480
aataaaaaata	aaaaataaga	ataaaaatca	ataaatacac	tactgcactt	atgcagatga	141540
acttcacttc	ttccgactta	gccacacaca	actttccagc	atcacagatc	tttgagagg	141600
gtgggacagc	cgggaagggt	ctgttcgcac	agaattggct	gaatgaccag	gtgtttgatg	141660
gatgaatccc	aggtagccag	ggcgtctctg	ggcacacgca	cccaggatca	cacctggaca	141720
agaaagtggg	gtctaaagta	gcagtcagag	gctgggtgca	gtggctcatg	cctgtaatcc	141780
caaaactatg	ggaggttgag	gcaggagggt	tgcttgagac	caagagttga	agatcagcct	141840
gggcaacata	gcaagacccc	atctctacaa	aattttgaaa	aattagctag	gtgtgggtggc	141900
atatgccagt	ggtcccagct	actcagaagg	ttgaggtagg	aggatcactt	gagcctagga	141960
gttaaaggct	gcagtggggc	atgatcacgc	cactgcactc	tattttgagt	gacagagatc	142020
ctgtctccaa	aaaatacata	tgccagtgc	ggcctgggtat	gtgtcctgag	agttccctgc	142080
ctggcatctc	ttgaagtggg	caccagtaac	cagaagctga	agtccctggt	tggcaaagga	142140
tggaggaaaa	agatattgga	tctggagggc	tgggtgcagg	tggcttacac	ctgtaatccc	142200
agcacttggg	gaggccgagg	tgggcagatc	atgtggtcag	gagatcgaga	ggatcctggc	142260
tcatacgggt	aaactccgtc	tctacaaaaa	atacaaaaaa	ttagccggat	gaggggcgggc	142320
gcctgtagtc	ccagctactc	ggaaggctga	ggcaggagaa	tggcgtgaac	ccgggaggcg	142380
tagcttgcag	ccagccgaga	tcgagccact	gcactgcagc	ctgggcgaca	gagcaagact	142440
ccatctcaaa	aaaaaagata	ttggatctgg	aatggatcgc	tgaaaataaa	agaaaactgg	142500
ggtgaaaaag	aagtgtacat	gggataaaact	ggaggtaatg	agttatgttt	gggggaagat	142560
agaaaaagtt	agactctgtg	gcgtgggagg	agcagagtaa	atgtcaacag	tcccctcgag	142620
cctggaaaac	tccaccatga	gtcatggagg	accacgtca	gaaaatagct	attttgagcc	142680
cagctagaaa	gtttggctct	gtctgctttt	cctgagagtg	gtgagtgggt	gaccaggct	142740
gtaagctctt	caggtcattg	cttcccaaaa	caaaatttca	atcaagcgag	tgccatgacc	142800
ctgcacagaa	gtccagaact	aaacctcgat	gtgggactgg	gcttgccaaa	ccagaaggtc	142860
tgttctaaga	gaaagaagct	ggaacctgcg	aggggaattt	tgccaatggg	aggaacagca	142920
atcttccaa	aaagaggggg	taggaccagc	aatttcccg	tcctggaagg	tcccctatac	142980
atcttgttca	gagcatttag	attctaaatg	tcacagtgtg	atgtcctcat	gtgcaatgga	143040
catttgttga	tttgctccc	agtatccatt	cacctttctt	aggtaatagg	acctgtttcc	143100

tttggggaac	caactggcac	caccgctccc	aggacttgca	aatttaatgg	ggcttacccct	143160
accagggtgt	ggcctaagg	gctcactgtg	ttcccttccc	gttcagattc	agatagatat	143220
aggatcagat	acacaccaga	agtagtcaga	cccagaactt	tgtgtggaac	ccccctgggg	143280
gaaaagaaac	cctgaatcct	aagaacaaag	ccctcatgga	ggggataaaa	gctgagggat	143340
aaacagatag	actttggact	cctgcctcaa	ccaccctag	agtgtagaaa	ccccggttag	143400
tacattcctt	tttttttttt	tttttttttg	catatgcagt	ttgggttgag	ttttctgttg	143460
cacaaaacca	agaaagtac	acaaatacta	tatatctttg	tttttttttt	ttttgagacg	143520
gagtctcgct	ctgttgccca	ggctggagt	cagtggcgcg	atctcggttc	acgccattct	143580
cctgcctcag	cctccgggg	acctgggacc	acagacaccc	accaccacgc	ccagctaatt	143640
tttgtatttt	tttttttttt	ttagtagaga	tggggtttca	ctgtgttagc	caggacggtc	143700
ttgctctcct	gacctcgtga	tccaccgcgc	tgggcctccc	aaagtgtgg	gattacagat	143760
gtgggccacc	gcgccagcc	ccacaaatac	tatgtatctt	ttaagagaaa	cgcatgatga	143820
gaagcagcag	gggggtcaaca	tgcattctggg	gtgttagaac	ccaagaggca	gtagacagtc	143880
atcttgtacc	tccctgtcct	gctgtcagaa	tgtaatgca	ctgtctccta	aagcagggta	143940
tgaaaaatat	ggccccaagg	ccattctccag	cccatcactt	ctttttgtgc	agcctgtgag	144000
acaagaatgg	cttttacatt	tgtgaatatt	tggacggggg	gcaaggggtc	agcgtggaat	144060
caaatgaaaa	ctgcaaaaaa	ttcagatttc	agcatctata	aataaagctt	tattagaaca	144120
catccatgcc	catttgttta	ggtactgttg	atgactgctt	ttgtgttaca	gcagggctga	144180
gtagctggga	cagagaccat	actgtcagaa	gcgtttgaac	cagaacaaca	ccatcttgaa	144240
taggggctgg	gtaaaatgag	gcggagacct	attgggctgc	attcccagga	ggttaggcat	144300
tctaagtcac	aggatgagct	aggaggacgg	cacaagatac	aggtcacaaa	gacctgaccg	144360
ataaaacagg	ttgcggtaaa	gaagctggcc	aaaagccacc	aaaaccaaga	gggcaacgca	144420
catgatctct	ggtcatcctc	actactcatt	ccacactaat	tataatgcat	taccatgcta	144480
aaagaccgcg	ccaccagcgc	caggactggt	tacaaatgcc	atggcaatgt	cagttacctt	144540
atatagtctt	aaaagtggag	gaaccctcag	ctgtgggaat	tgcccacctc	tttcccagaa	144600
aactcatgaa	taattcgccc	cttgttttag	atataattta	gaaaaaactg	ttaagcatta	144660
tgagttgagc	agtccaagct	gctgttctgg	ctgtggagta	gccattcttt	tatttcttta	144720
ctttcttaat	aacttaagaa	acttaataaa	taaacttgct	ttcattttac	tctatggatt	144780
cgctttgagt	tctttcttgc	acaatatcta	agaatcctct	cttgggggtct	ggatcgggac	144840
ccctttcctt	taacaatatg	gccctcaaag	acaaaaatat	ttaccatgag	tcctttaagc	144900
aaagggttcac	agactcctgc	cctaaaagat	actgtaattc	taagacatcc	aggaaagaga	144960
cattctgtaa	cttgtctttt	ataaactaag	atattaaagg	ctttaaattt	caatcttatg	145020
ctggcaaact	tgataaaaca	attgggtttt	cctgctaggt	aagatggcaa	gaattgctat	145080
tattttatat	aaggctgttt	agaagaaacc	cttactaaag	cttttaagg	tataaatcaa	145140
aagtaccgtc	tagaattcaa	ataatatgaa	ttcaaattat	agaattcaag	ggcaatagca	145200
atgatatat	caatcttagt	aatgggtatt	cagccctatt	ttcccattat	catagaaatt	145260
ccctttttaa	catcttctat	attttgaata	atctgaaaaa	caatctgtca	taatgaaatg	145320
aacttttacag	taataataat	agctatttgt	taaatcttta	ctatttgcca	ggcagagttc	145380
tgagcatttt	acttacatta	acacatttaa	tggctccaac	catgctgtca	ggtaagtaat	145440
attattatac	ccattttgtg	gatgacaaaa	cgaaggcaca	gagacaggtt	aagtaatttg	145500
cctaagatca	cacagcaaat	attggggcca	ggattcaaac	cccagtaatc	tagaccaga	145560
aactgaacta	tgctaggggt	tagaccatct	cagattttatt	taaaagaggt	ggaaatgaca	145620
ataatatttc	actatagttt	agaatttaat	tgatatcact	gtgtaacata	cacctttttt	145680
tccctcagaa	gtatttctgg	accactaaca	cgatcatggt	gatacaatgg	aactcacatc	145740
ccctctccat	atttgattgg	atcaggtgtc	aacatctggc	ccaagctgga	ccaataggct	145800
ccttccttga	gcttttgggtg	ctgagattaa	gattccagtc	tcaacctgac	ttctgtcact	145860
ctcccatgag	atagaagaat	agaggagaca	tggagaaaaa	cagtcraag	gtagagggtg	145920
tgggagggac	ctccttgatt	cacaattggac	tctatccctt	tcctgaattc	cagtgggaacc	145980
atggccctgt	gttctgtgag	acaccttaga	atccttcaac	aataatccact	tttggctgaa	146040
cccagtggtt	tttggtcacc	tagaaccaaa	agaatcctca	aacgtaaccc	gattaagagc	146100
aaaacaacct	ggcttttttt	tttttttttt	gagatggagt	cttgctctgt	tgcccaggct	146160
ggagtatagt	ggcacgatct	cggtcactg	cagtctctgc	ctcccaagtt	ccagcgattg	146220
tgccaccaca	cctggctaatt	ttttgtattt	ttagtagaga	caagggtttca	ccatgttggc	146280
caqcctqgtc	ttgaactcct	gacctcaggt	gatccaccca	cctcagttct	ccaaagtgtc	146340

aggattacag	gcatgagcca	ctacacctgg	ccaacctgcc	attttatata	ttctctgagt	146400
catcagcatg	ggcctctcaa	atgatggact	tgctggattt	ctgtttattt	cctttgctgt	146460
gcactaagta	ggtcagctcc	caagaatgac	tagtttgagg	atggagggac	tagtggaata	146520
tgcttagaata	ggtgcctaag	ccaagctggg	aaccaacaaa	ttggttttgg	gctctacttt	146580
agtttttctt	gttgttgttt	gtttgctttt	ttttttggc	ctggggggga	aaaaaccac	146640
aaatgtcttt	ccccagtttc	ctccagtaac	acagatggaa	atagtagttt	atacttgggg	146700
tggtgctcgg	ggaaatagt	tctcagaacc	aattactgaa	atgaccagaa	tggatataaa	146760
atgtggctgc	ataatttcct	aagtcccatt	tctcagggtg	aaaatggttc	agaccatcca	146820
aatgcttctc	cgaagaaatt	acacaagcga	gatggaaaaa	gaaagtattg	gtttctcagc	146880
gctggtaata	attaggactt	gaatgagtgg	tgataaacc	atttacagac	aggaagtgtg	146940
aaggcctgaa	tggccaggag	atttgctaag	tgatgacaag	atcaagatca	ggcctctggc	147000
ctctgagccc	agctccctaa	gcctagtga	ctttgaatga	cacctgattt	tttgcccat	147060
ccagcacc	ttttctgaat	gcaatttgga	ggaatgaaca	tacgaccag	aacctggcca	147120
atcagaatat	tctaccgcca	cctcttcccc	tctccccac	catggtaatc	agttcagcca	147180
tgggcaaatt	atccaagt	aggcaataat	actcagtc	atgacttcca	ttgaaacttc	147240
taatgaaacg	atctctctct	gttgggattg	ctacctgatg	gctaatagt	gcttagagcc	147300
actgggattg	ccatatggaa	agcatctgcc	tgagagtga	gccaacacaa	gtagatgcag	147360
aaaaactgag	tcctactgat	ggcatttgat	cccttgatc	cagccacgct	ggatatggga	147420
tatgggaaac	cttgaagtac	agtgactact	gtggataagg	ggtcaatggg	taagtggttt	147480
ccttggtggga	tgatgaaat	gtttggcatc	tagaggtgat	ggttgacaaa	gactgtgaat	147540
gtacataaag	ccactgaagg	gtacacttta	aaatgatgaa	tgctatgtta	tgtgaatttc	147600
gccttctttt	tttaaaaaag	gggaaagagg	ccaggtgcgg	tggctcacgc	ctgtaatctc	147660
agcacttttg	gaggccaagg	tgggcagatt	acctgaggtc	aggagctcga	gaccagcctg	147720
gccaatatgg	tgaaccctg	tctctactaa	aaatacaaaa	attagccggg	tgtggcggtg	147780
tgtgcctgta	gtcccagcta	tttgggaggc	taaggcagga	gaatcgcttg	aaccaggag	147840
gcgaagtttg	cagtgaattg	agattgcacc	actgcactcc	tgctgggca	gcagagcgag	147900
actctttctc	aaaaaaaaaa	aagagggttg	gggaagagca	taattttaac	cacgcagata	147960
tcagagattt	cacaaaagga	gtgtcactga	agctagatat	ggtggtcaag	aggcaggaga	148020
agggggagat	gctttctagg	cctaataaca	aggtgctaag	cccttttgat	gtggtctgaa	148080
catctgttcc	ctccaaatct	catgttaaaa	tttgatcccc	agtgttgga	gtggggcctg	148140
ttgagagggt	tttggatgat	gggagcagat	ccctcgtgaa	tggcttcag	ccatgtttgc	148200
aggattgagt	gagttctcac	ccttaatttc	caagagatct	ggctgttaaa	gaagctggca	148260
tcttctctt	ttctcttct	ctctcttgac	atgtgatgtc	tgttccccct	caccttccac	148320
agtattgta	agattcttg	gcccctcacc	agaatcagat	gctggcacca	tgtttcttgt	148380
ataacctgca	gaactatgag	ccaaataaac	ctcttttatt	tataaattac	ccaacctccg	148440
gtattccttt	acagcaacat	gaaatggact	aagataacct	tacctacagt	aattacatcg	148500
ttaatcctca	cagcaaccct	tgaggtagta	aatattactt	tagccttggt	ttataggtaa	148560
gtatgcaagg	gccagaaagg	ggacataact	tgcccaagtt	tacatagttg	tagatcagca	148620
gagagctggg	actcaaacat	agatttttct	ggccaggcac	ggtggctcat	gcctgtaatc	148680
ctagcacttt	gggaggccga	ggcgagtggg	tcacctgagg	tcaagagttc	gagaccagcc	148740
tggccaacat	ggggaaacct	catctcta	aaaactacaa	aaattggcca	ggtatggtgg	148800
tggacatcta	taaccaccag	tacttgagag	gctgaggcag	gagaatcact	tgaaccagg	148860
aggcagagg	tgcatgagc	tgagatcatg	ccattgcact	ccagcctggg	cttcagagag	148920
aaactctgtc	tcaaaaataa	ataaataaat	aaaaataggt	ttttacaact	ctcaaccact	148980
ccgttcaagt	gcctcctagt	agagggaaga	gcatagaaac	acagaacatt	tctttagaag	149040
aatgtatcat	tccatgttct	tcctagagga	ataatcgagg	tttagccac	taagataact	149100
cacaacagca	acctttataa	cagtggaaaa	attggaaaca	tacaatgttt	ggccatatgg	149160
actagttaag	ttattgaaga	atatgtgatg	atttgggact	aggatcataa	tttagagctg	149220
agtgaaaaag	gcaggatatg	ggaaagtaaa	atagttggat	attagctaca	caggaaaaat	149280
attaaaagg	tactagaaaa	acacgcac	ggatgttggt	tgactttggc	gggtagaatt	149340
gtgggtgatt	tttttctatg	tgttttacgc	gcgtgtgtgt	gtgtatagac	tcagtttcca	149400
tatctgtaaa	atgggtataa	taacagatct	ccccactga	atggtcagaa	acactaagt	149460
agacaacgca	tgtaaagctt					149480

[illegible]

261



caaagtcttc	atttaagggg	gaaagaaatc	agctcttaga	aaaagtaaac	gtgtcattgg	2880
tgattcgagc	agttaagaga	gtgggccccg	ggtatcctga	ttccggcact	tgctgtctag	2940
tcacctgtgt	ccccgatacc	caacaagccc	cctgcggtct	ggcttaagtt	gaaactcatg	3000
ctatggacag	ttgagagttg	tggataccag	aggcttacct	agggagtaag	catatacagg	3060
ccttacctta	atcttttgag	gctctttcct	aactcacctt	tgtcattatt	tgtttttagt	3120
cacttggtctg	tagttacatt	tcttcccttc	tgcttctgtt	tgacggtcac	ttttctaact	3180
ttgaaggcct	tatgtaaata	cgggtgtttt	tcctgggagg	tgaaggttgc	agtgagctga	3240
gatcgcgcca	ctgcactcca	gcctggtcga	cagagcgaga	ctctgtttca	aaaaaaaaaa	3300
aaaaagtaaa	tgtagtgttt	taggtaagaa	cttgcccaact	ttggagattc	ttattcctta	3360
tggttaaaaa	aacccaaaaca	atgttttgat	aattcaaacc	atthagtttt	gctggatgtt	3420
ttttcccatc	cactagagtg	ataatttaag	atacatttct	ttttatgttc	tttagtctgt	3480
tcctttaatt	ttaataaatt	aaacatacat	tggtactgcc	tgggttttga	gtcccagggtg	3540
taataggaaa	agtgtagatt	ttgttgataa	ttggtcagta	cccctcaaat	aaaaagaaaa	3600
gcctctgatt	agaaaagtat	ggtgtgggcc	gagtgatgtg	gctcacgcct	gcaatcccag	3660
tactttggga	agctgaggtg	ggcagatcac	caatcaccta	aggtcaggag	ttcgagacca	3720
gcctggccga	tgtggcgaaa	ccccatctct	actaaaaata	caaaaattag	ccagggtgtgg	3780
tggcgggcac	tggtagtcct	agctgcttgg	gaggctgaga	caggagaatc	acttgaacct	3840
gaaagtggag	gttgcagtaa	gccgagatca	caccactgca	ctccagcctg	ggtgacagag	3900
tagactgtgt	ctcaaaaaat	ctaaaaaaaa	aagaaagaaa	agaatagtat	ggtatgatca	3960
ttgtaaaaac	aaacaaaaca	caatatattag	aatgtggaa	agtgaaaacc	ccacaattct	4020
accctccaga	agtaaccact	gttaatatatt	tggatttgcc	ctccagattt	aaaaaatgta	4080
cgtttaaaaa	aaaatgtgtc	acatatacag	tgttctgtgg	cttttggaag	aaaactatgt	4140
cagagcttgg	atgtcttttc	atgttaatat	atattaatat	aaatctgcca	cattttaaaa	4200
accagaactt	tggtttgaaa	agtacttgta	tggctgggtc	ttatttaacc	agtctacctg	4260
ttagtggaca	ttttgtttat	accagttttt	gtgttttggt	ttgtttttta	ccatttccag	4320
caaggtaatt	tatatcttta	ggctcctggg	ctgacatacc	atagggtaat	ttccaaggca	4380
taagagttct	gggttagaac	ttactagca	agatccatgt	cttcctccag	gaagggtggt	4440
ctaatttaca	ctcataagag	tgtctgtttt	aatgtttgc	caggccagta	agtgaaaaac	4500
agcatcatct	tataattgac	ttttaatctt	taacacagtg	caaaatatcc	ttttatgatt	4560
atcgttgttt	gctttttatt	tcttctgtaa	attgttcaca	tcctttgcct	gttgtttagtg	4620
atcttcttta	tggtttctgg	atttaaccct	ttatataatt	atcttaagtt	ttctcctggt	4680
gctttaatgg	ttctgctttt	taaaatatta	ttcttattta	aaaaaaattt	ttttgagact	4740
ctgtcaccca	ggctagagtg	cagtggcggtg	atctccgctt	actgcagact	ccacctgccg	4800
ggttcaattg	atttcccttc	ctcagcctcc	cgagtagctg	ggattacagg	cgcccgccac	4860
cacgcctggc	taatttttga	tttttagtag	agaggggggt	tcactgtgtt	ggccaggctt	4920
gcctcgaact	tctgacctca	ggtgatcacc	cgctttggcc	tcgcaaaagt	ctgggattac	4980
aggcgtgagc	caccgtgccc	agcctctggc	tagttttttg	tagacgaggt	ttcaccatgt	5040
tggccaggct	ggtcttgaa	tcctgacctc	aagtgatcca	cctgccccag	catccctaag	5100
tactgggatt	agaggagtg	gccacaatgc	ctggcaattt	ttaaaaattt	ttaatagaga	5160
tggggtctca	ctgtgttgct	caggctgggt	ttgaactcct	gggctcaagt	gatcccccg	5220
cctcggcctc	ccaaagtgtc	gggattacag	gcatgagcca	ccatgcctgg	ccagttcggt	5280
cgttcggtcg	tttgttcgtt	ctttctctct	ctctctctct	tttctttctt	tttctccagt	5340
tctacttctc	tctttctttc	tttctttttt	tttttttttt	cacagaatct	cgctctgtcg	5400
cccaggctgg	agtacagtg	tgccatctca	gctcactgca	acctccgcct	cctgggttca	5460
ggcaaattat	tctgcctcag	cctctggagt	agctgggatt	acaggcgctc	gccactttgc	5520
tcagctaact	ttttttgtat	tttttagtag	gatgggggtt	caccatgttg	gtcaggctgg	5580
tcgccaactc	ttgacctcag	gtgatccacc	tgccttggcc	tcccagagtg	ttgcgatgac	5640
aggcgtgagc	cactgtgcca	ggccaagttc	tacttcttaa	tacataaatt	tcaacttatc	5700
tggaagaatt	atgactaccc	actgccaaat	aaaacttcca	gcctaactac	tggcaatctg	5760
ctgttgaagc	tgaacaggct	ctaaattggt	gggtttttaa	aaaatttttg	tttacttaag	5820
cctatagctc	ctagtattcc	caggcattct	cctatgcaaa	aaccaaccag	gactgacctt	5880
gctcaccttc	tggctctata	agttattatt	cagcagacct	gcagaataaa	tagactttta	5940
aaaaacaact	tcgttgagat	atgatttaca	tattacaaaa	ttcagctctt	ttaagtgtac	6000
aataattttt	aqtaaatqta	qttqtacaat	tttgaatat	ttttgtcacc	tcagtaaatc	6060

tattatgcta	atttataatt	aatccccctt	cccactccca	ggcactacta	atctttctgt	6120
ctctgtagat	ttgtattttt	tggatgcttt	atagaaatgg	aatcatatag	tatacagacc	6180
tctgtgccta	gcatattctt	ttttattttt	attttttgag	acagtgtctc	actctgtcac	6240
tcagagtggg	gtgcagtggc	acagtcactc	cagcctcaat	cttcctgggc	tcaggtaatc	6300
ctcccacctg	agtagctggg	actgtaggca	tgcaccacca	tgcccagcta	aagcatattc	6360
tttaaaacaa	tattcagtta	ctttgtcaac	actaaataat	ttaccctctc	ccatctaaat	6420
cactgtcatc	ttctcttcaa	agttgttaac	tgaagtttgg	aggtcaccca	ttgttcttat	6480
tttgaaattg	aatgtgtgcc	cttgaattaa	cctgacgtaa	cacttctttc	ctctgtatta	6540
gcagtgccac	actctgctct	atgtttataa	cctaccagca	aataaggatg	gcaagagcgt	6600
cagcaacagg	ctcagacgcc	tgtccgataa	ttgtggtggg	aaagtgtgga	gtatcacagg	6660
ctgcagtgca	attctccgct	tcataaacca	agatagtgcg	gagcgcgctc	agaagcgaat	6720
ggaaaacgaa	gatgtctttg	gtaaataggat	cattgtgtca	tttactccaa	aaaatagaga	6780
actctgtgaa	acaaagagtt	caaatgcaat	tgctgataaa	gtgaagtctc	ccaaaaaact	6840
taagaatcca	aaattgtgcc	tcatacaaga	tgcaagtga	caatcttcca	gtgccaaagc	6900
cacgcctgga	aaagggtcac	aggcaaatc	tggatctgct	acaaaaaata	caaagttaa	6960
aagtttacag	gtaattttga	tacctttgc	ttctgaggt	ttatggtagg	tttggtttgt	7020
ttctgtgttt	tacgtgccc	cttgcttttg	gcgtgtccct	ttttgatttc	agtgtttgat	7080
gatactcaaa	gtcaatcggt	ttctgtaagg	gatctaacc	atcttggtta	cttaaaattt	7140
aaaccccact	gtgcttgggt	ctttgaagga	gctgtgccgc	atggagtcaa	aaactgggtc	7200
tagaaacagt	gagcaccagc	aagggtcac	gaggctgggc	gtaccactc	acggttaact	7260
aagtgtgca	gtgtcgagc	cgaaaaactc	gggggtggca	gaaccctgtt	acaaaaccag	7320
tcagaagtat	gtgaaactac	cttttctcat	agctgcttct	tgaatgtgaa	ggaagacata	7380
tgaccttttg	cttcaattt	tcccttctg	ttagaaagga	gaacctcagt	gcccgaagtg	7440
ttaccagttc	tcctgtagag	aaaaaagata	aagaggagac	tgtattccaa	gtgagttacc	7500
cgtctgcttt	tagcaagtta	gttgcatcca	ggcaagttag	tcctctgctc	gcatctcagt	7560
cttggctctc	taggtgagtc	cagcttcttg	acccatgggg	gtggttacat	gtaataggaa	7620
ggattatgaa	atagtatgtt	tgttgaaaag	aattcagata	gtactgaaat	gcacaaagta	7680
agtctcccat	cactcttctg	ccagtccccc	tctcctcagg	taatcatcgt	taacatttag	7740
gggcaatgct	ttcaccattt	cttcttcctc	catctggaaa	ttgtggtaag	cagaggtcag	7800
aaagagaagc	ctgttgagga	gtccctggcc	agtgcagggg	ggcatgtaaa	gatgtcccta	7860
tgttcgctgt	gttgaggaaa	aagcccaaac	gagccgtgca	ttggtgggtc	tgattcatat	7920
ggttctgtat	aggaagctat	ttggaagtaa	agttttctgt	aaaccatggt	aattatttat	7980
cactgtctct	cacaccaagg	aattcttgat	gcttgggaga	cagagaagcc	gtaaggccgt	8040
gttgcatctc	catgagctcc	tttttagcatt	gtgtttgttc	tgctgagttg	gtggcagatc	8100
actgtagaaa	gtgactatgg	atcagccggg	cgtggtggct	cacgcctgta	atcccagcac	8160
tttgggaggc	cgaggcggga	ggatcatgag	gttaggagat	caagaccatc	ctggctaacc	8220
ggctaacacg	gtgaaacccc	atctctacta	aaaatacaaa	aaattagccg	ggcgtggtag	8280
tgagtgcctg	cagtcccagt	tacttgggag	gctgaggcag	gagaatggca	tgaacctggg	8340
aggtggagggt	tgcatgtgag	tcagatcgca	tgactgcact	ccagcctggg	tgacagagcg	8400
agactccgct	tcaaaaaaaaa	aaaaaaaaaaa	agagaaagtg	actatggatc	tataaaatta	8460
catctaaaaa	gccacataaa	agttttcctt	atgtgcagaa	agaactgtaa	catgtaggca	8520
agaacgttta	actctttcag	agacacagag	gagggttagac	gccttaaatt	ggtatcacag	8580
gctgattttc	taaggataat	gcacaaagca	gaagggtta	tcatacaggac	tgctctaat	8640
tcctgccttt	agctttaacc	caaaggaaga	atatatatta	attggttggc	ggtaattagg	8700
ggtcagtaga	tagtactttt	gacaatgtct	gaaatcaatg	tgtatttaag	attaaaaaca	8760
cagctgggca	cagtggctca	cgctgtaat	cccagccctt	tgaggaggctg	aggcaggtgg	8820
atcacttgag	gtcaggagtt	taagaccagc	ctggccaaca	tggtaaaacc	ccatctctac	8880
caaaaataaa	aaaaattagc	tgggtgtagt	ggtgcatgcc	tgtagtccca	gctactgggg	8940
aggctgagac	aggagaattg	cttgaatcca	ggaggtggag	gttgacgtaa	gccgagatcg	9000
tgccattgca	ctccagcctg	ggtgacagag	cgagactctg	tctcaaaaaa	aaaaaaaaaa	9060
aaaaaaagat	taaaaacaca	tttgaaaacc	aaatgtttgg	tttggttgtg	ttgtggaaaa	9120
tctgcttctg	tatatagttt	caaacaaagc	ctaaatgata	aaatctaaat	atacagaaca	9180
gttttttaaa	ataatgtcaa	tatgtgtgtt	ttaagcagga	gtatgtctcc	aaacctttta	9240
aacagagcat	ccccgcttgc	tttcaacatt	gcaaattcga	gcagcgaagc	cgactgccca	9300

gacccatttg	caaatggtgc	tgatgtccaa	gtcagcaaca	tagactacag	attatcccgg	9360
aaggagctgc	agcagctcct	gcaggaagca	tttgccaggc	atggcaaggt	aactttttcc	9420
ctcttgtgct	tgctttgtta	tactctctga	tggagtctct	agtcaagagg	acctaatttg	9480
atatacataa	ccacagccgg	gatagaagtg	tgactgaaca	agtttgaact	ccttcctttt	9540
ccctttgggtc	tgctcagggg	ggtgctataa	atccagtttt	tacaatgtta	gccccagaga	9600
gcaagacgcc	tagcagtgaa	aagctcttgt	cttaggcaga	aattgaaatg	gcaattttgtg	9660
gccaggcatg	gcggctcatg	cctgtaattc	cagcactttg	ggaggccaag	gcggccagat	9720
cacctgaggt	caggagtttg	agaccagcct	ggcgagttaa	accccgctct	tactaaaaaa	9780
aaattagccg	ggcggtgggg	tgacgcctg	tagtcccagc	tccttaggag	gctaaggcag	9840
gagaattgct	taaacacggg	aggcagaggt	tgagatgacg	ccactgctct		9900
ctggcctggg	agacagagtg	agactccatc	tcagaaagaa	aaaaaaaaaa	aggcaatttg	9960
ataagtaaaa	cattgatgga	tttcagttag	ctcttcctgc	tgaaatacag	gtaggattct	10020
aaaataatgt	tggctgggtc	tgtttatgcc	ttattatatt	tgactcattt	tttaggtgca	10080
atthttgctaa	aaatgcacct	tttttagtaga	ttcttaaaaa	tggccatgtc	ctgggttttg	10140
tagagtctag	aaaagacccc	aaacactcct	cccatgtgtt	ggcctctgag	cctgccttgg	10200
aaacctgtgt	gtgccagagc	acacaggcag	gccggggccag	tgtcacatct	ctaaagggtca	10260
ccctatcctc	actttcttac	gtcctgggtca	gcagaagagc	agagttcaga	catactcctt	10320
catggaagcg	ctgcagtcga	caaatgtgtt	ccttcaggtt	tcaccttcag	ttttaagacg	10380
acagggttct	gggcgacat	agcgtttagt	tttcgctttt	cctgtttagt	gtgaagagtg	10440
ttgagctcag	ccccataca	gattatcaac	tcaaggctgt	tgtgcaaagt	gaaaacttac	10500
aagatgcgat	cgggtgcagt	aatagcctcc	acagatacaa	aattggcagc	aaaaagatcc	10560
tggtctcact	tgccaccggg	gctgccagca	aatcactctc	tttactgagg	taagaaacaa	10620
gcaagctggt	tatttcagga	aataacattt	gaccagaaa	caattttaga	aataataaaa	10680
atagattcaa	tcacattccc	accccttgt	gatgattgca	tgtggaataa	tgcttattct	10740
agattgatac	agttagaac	aagccatttg	actcttgtct	aagtcattaa	tcaaagctgg	10800
aatacagctt	aaacttgaca	ggcacttggg	agtaaaataa	tacgcaacat	gttcaaatag	10860
gttctaaaaa	tagtagaccc	ctacaataaa	agtttataag	cctgaaaagt	ctaaaatatt	10920
accttgagat	cttaggtaga	aggtagattt	gtgtgtaaag	actagatcta	caaactttca	10980
agctctccat	ttgcagatat	atccttagtg	tcaaatagat	actcagcccc	ataagtctac	11040
cttaagacta	tctcagtctc	aagcgtctgg	tgatggtttt	attcatagta	aaatgtgata	11100
cttctttggg	tctccctgtt	tccggggagac	tggcaaaaca	ggaccactc	ctgagtgttt	11160
ccttgatga	tcagagatct	tttttctaac	ttgtacttca	ctattactta	aattacgagt	11220
tacgggtttt	ttttttgttg	ttgttctcag	aataaaaaatg	atgcttattg	aagaaaattt	11280
ggaaagttaa	gaaacataaa	agaagcaggg	gaaaaaaaac	catccacagg	cctatggccc	11340
aaagccaatt	gcacttaaca	gtttggcatc	ttcttttagt	tttgtttgga	ttttttccct	11400
ttgagcgttt	tttgggtgct	ctgggtttttt	aaaactgtag	ttgagattat	gttgatttca	11460
gttgtgtatc	cttatctatg	ggaacgccaa	tcacatatat	ctaacaaact	gcagtgtggc	11520
aggagatatt	taagctcttc	tcccttttgc	tctgaattca	tcatgctttt	ctgctccact	11580
ggtgtggaaa	accctatgat	tgataactat	tctactgtgt	aacgtaatct	tctttcattg	11640
ccttgctccc	aaaatccttt	ctttaaattt	ttctggaaaa	tacattctga	cataccagaa	11700
atccgtaaat	ttattttgca	tatgcactgg	gttaattttt	tgaactctgt	ttatataact	11760
tgtaatatgg	aggaaatggg	ctgttcccta	atcaaaactt	tgttttacag	tcagaaaca	11820
atgtctgttc	ttcaggatgc	ccctgctgt	tgctgctctc	tgtttaaatt	tacagatatc	11880
tatgaaaaaa	agtaagttag	gtatatTTTT	tctttatcca	gtcagtactg	attggtggct	11940
tacatgcaca	aaaccatggg	aatgactcct	gaggaaactt	agcctggtag	aggagaggag	12000
acagagacac	tggcattcag	atthacatgt	caatgaatgt	ttagcagaca	gttttaaaac	12060
gtcttttatt	tttaacaaag	ttagaccttt	ggtcctcagt	gttgtgctta	tttttccct	12120
aattgactag	ctttagtttg	ttttttttgt	ttgtttgttt	gttttttaat	ttttttggag	12180
acagagtctc	gctctgttgc	cgaggctaga	gtgcagtggc	acaatctcaa	ctcactgcaa	12240
cctctgcttc	acaagttcag	gtgattctca	tgctcagcc	tcccagtag	ctgggactac	12300
aggcatgtgc	caccaagcct	tgctaagttt	tctgattttt	agtagagaca	gggtttcgcc	12360
atattagcca	ggctggtctt	aaactcctga	cctcaagtga	tctgcccact	ttagcctccc	12420
aaagtgcag	gattacaggt	gtgagccact	gcgcctggcc	aagttttagt	atthatttga	12480
tgaacatttt	taagcactag	actataagct	ccaggacagc	agggactagc	tctgccataa	12540

tactgtatcc	taagcaccca	gcccatagta	gatgcttagc	agggactagt	gagtacaaga	12600
ccaaggcact	gcagagaagg	cagaactggg	caagacttag	gtcttgtcct	tgaggagctt	12660
atgtctagcg	ggaagagaaa	atgctcgtga	atccttatgg	acagtgaaga	aaactgattg	12720
gaaaggagga	gaaaaagctt	tgagaacaca	gaggaaggga	agaacaagga	acttggccat	12780
tatcccacag	gtaataggga	gccactgaag	tgctggagga	aggaggggag	gggaaagggtg	12840
tggtgatggg	aatcatgctg	caggaagact	cttctcgtag	cagtgggtgc	tgagagggca	12900
ggaacagggg	agagaaggag	gcagagaggg	aaagtagcta	catcagtcca	aattcagagc	12960
agatactgtt	gggacagaac	tcgatgttac	agaaatgtca	aaatgtcaaa	tgtcattgaa	13020
actagagtgg	gtaactaatt	ttttttatta	aaaacaattt	ttattgagcc	agggtctcac	13080
tctgtcacc	agggtgtagt	gcaggggcac	gaccctaggt	cattgcagcc	tcagactcct	13140
ggactcagat	gatcctccca	tctcagcctt	ttgagttagt	gggaccacag	gcacccgcca	13200
tctgtcccag	ttaatatattt	ttaatttttg	taatgagggg	gttttgctat	gttgcccagg	13260
gtggtcttga	actcctggct	tcaagtgatt	ctccctccta	ggcctcccaa	agtgtctgaa	13320
ttacaggcac	gggcccacc	gtccagccag	agtaactagt	tttatgtagc	aagcaaggta	13380
aaaggagag	gtcattttga	ttctgagtgt	tttgcccttg	atgactggga	tgatgggtgc	13440
acagttaaac	tggaaatagg	gaaataaagc	atggcaagga	ggtacagcaa	gtttttgggtc	13500
ttggtttttg	acattcaggt	tttagggggc	attggagtag	ctgggtggag	agggtcacata	13560
gtcttctgca	cattgagggg	cttctttggg	agagaagtag	gctctggaga	tagggcagtc	13620
atttgccctt	aagacgattg	ggacagacta	gagagcagat	aagggtggga	gggggaagga	13680
gaaatagagg	gcaggaatgg	atggaatgcc	accagggcca	gggatgtggg	cgagcaccca	13740
ggatgtgtgc	caagagagca	catcaggaat	ggggggatcc	aaggccatga	ggaaatgcat	13800
gaggtgtggg	gatgaggcag	aggccgctga	taacttttga	gtcatcacta	cagagtcctg	13860
tggctaaaat	ccagttaggg	aggggctgag	agactcgggg	gtaacacagc	agaagcagct	13920
cctgagcagc	tggatgtttc	cattacaggg	acagggtaga	gtacgagact	gagaatgaga	13980
gtacaaggga	gagtgtgtct	ctccgggagg	tggaaagagga	ccaggggctg	gtttggtaga	14040
tgggaatctg	agcatatgta	ggacactggg	aagaaaacac	tggtcagaca	gtgagaagac	14100
cagggaacac	ttactgagca	cttactatga	gccaagttct	gtccaggcct	aaccacactt	14160
aatcctcaca	ttgaccctgt	gagataggcg	ctatcatcac	cccattttac	agatggaaaa	14220
agtgaggccc	cgattgggtc	tggaaactga	ctaagggtcac	acaggttgaa	gtggagtcag	14280
gatgtgaact	caaactctgc	agcctccagg	gccagtgcct	ttaagttcca	agtaagaaag	14340
atacagggtc	ggaggagaac	tggggagtcc	agtgtcagag	ggtgtgtgga	tcattgcagtt	14400
gaggcatagg	agagttgaga	gggtcacgga	aagcacatat	acttctgaga	ggggagaaatg	14460
gggatgggtg	gaagtaaac	agagaattgg	aagtgagggg	agctgcatcg	agagaggttt	14520
ccaactcaag	agaatttggt	gaggtcactt	aaagaaactg	ggcaggggct	gggggtggct	14580
ttcaaataag	gtgagcattg	tcatgggtcg	agccagagac	gactcaggag	taccaagcat	14640
cactgggttg	ctagtgaatg	aatttgtagt	agaattattc	cagtttttacc	tttgaagaga	14700
tggaggaacc	attcttggtt	attgttcttt	atttaaacag	gatgcgtgtt	tctgtataat	14760
caaagaaaaa	ccttctaagt	cagcgtctct	cttctcttgc	ttttagggtt	ggacacaagt	14820
tgaatgtgtc	agatctatat	aaattaacag	acacgggtgc	aatccgtgaa	caaggaaacg	14880
gacggctggt	gtgtctccta	cccagcagtc	aggcccgcga	gagcccttg	gggtcttccc	14940
agtcacacga	cggctcctcc	acgaattgca	gcccatttat	atttgaagag	ttagaatatc	15000
acgagcctgt	ctgcagacag	cattgttcca	ataaggattt	caggtgtgcc	gttcgttttc	15060
ctttagaagt	aattcttttc	tataagattg	tggaaacatg	taggatgacc	ttgtgaacat	15120
cttagaccct	gcggaatgtc	agcttccaat	tgtgttctct	tttcttcagc	gaacatgaat	15180
ttgatccaga	ctcttacaag	attccttttg	tgattctttc	tttgaagaca	tttgcgcccc	15240
aggttcacag	tcttctccag	accacagagg	gcaccgtgcc	tttattgagg	tgaaccatct	15300
caaagccttt	gtcgatataa	tgccttagtt	ctgcttttta	taggaagcct	gccctttctg	15360
cccacatctc	tttacaataa	agtactctac	aatgcttcat	cctcatgtgt	ttagccttca	15420
gtcaaagtac	agtcatgcac	cacataacaa	aattttggcc	aaccatggac	tgtatatagg	15480
acagtgggtc	cataagatta	taatcacata	ttttcactag	acctttcgat	gattagatac	15540
acaaatatca	ttgtgttata	gttgctcaca	gtgtgtagta	cagtaacagg	ctgtccagat	15600
gtgtagctcg	ggaaccatgg	gctgcaccag	cctaggtgtg	cagtgggccc	cagcatctag	15660
gtttgcataa	gtgcacctga	tgatgttctc	aggtgacaga	atcaccagc	aacacattat	15720
tgagtacata	tccccatcat	gaagcagcac	gtgactgttt	atctgaaatg	ggatccattc	15780

actcagtact	tcaacaagaa	aatgtgtgtt	tgcgctacat	tttagaaacg	taaacgtgag	15840
gagggcagat	tcttccacag	aggggagatg	tatcataagt	gctgcagtcg	aaatctccac	15900
aagtgttgag	agtacacagc	ttcaaatatg	catacatttc	aagacttggtg	agagaaaagt	15960
attcttcaga	agttcattta	atcactccat	gagccacaac	agtagactta	acacaaaaggc	16020
caacacagga	ctcagtgggc	tgcacgtccc	tgctgatgtg	gaagcagacg	cgtaactgac	16080
ttggagccca	gttgccctat	ttttaatccc	cctcctggaa	aactaccag	aaaatgccat	16140
cagaatgcat	cagagaggcc	agtgcctcag	tgcttgcttc	cctgggtcct	taattttaac	16200
cttcaaacct	ggtggtgggc	attcagacaa	atgattaaca	catacattaa	accaaagcct	16260
tctgtttagc	aagcgctccc	ttttctgtta	ttttgattta	acctttcctt	tttttgttgt	16320
tttttccat	ttcagctttc	cagattgtta	cattgcagag	tttggcgatc	tagaagtagt	16380
gcaagaaaac	caaggaggtg	ttcccttaga	acacttcatt	acctgtgttc	caggtgtaaa	16440
cattgccact	gctcagaatg	gcatcaaagt	ggttaaagtg	attcacaaca	agccccgcc	16500
tcccaacact	ggtaggtgtc	aggtattttg	tcctggagct	accacctgtc	cactatgaga	16560
ccagaggagg	ctattggctt	ttattttaaa	cagcagcaca	atttgccaag	tgtgaaaaca	16620
ccatggatgt	gtcctttgat	cttttgaaaa	ttcctaaaat	gcttgagggg	ttggcgttac	16680
tggactttgt	tttatttttt	atttatttat	tttttttag	acggagtctt	gctctgtcgc	16740
ctagctggag	tgcagtgggtg	cgatctcggc	tcactgcaac	ctctgcctcc	cgggttcaag	16800
tgattctcct	gcctcagcct	cccagtagc	tgggactaca	ggcaccagcc	accacgcca	16860
gctaattttt	tgtattttta	gtagagacag	ggtttcacca	tattggccag	gatgggtcttg	16920
atctcttgac	ctcattatcc	acttgccctc	gcctcccaaa	gtgctgggat	tacaggcctg	16980
agccacagca	accggcctag	actttgtttt	ttagataggg	ccttgctgtg	ttgtccaggc	17040
tgctcttgaa	ctcctgagct	gaagatgtcg	tcccactatg	gcctcccaaa	atgctgggat	17100
tacaggcatg	agccaccaca	cctggccagt	ttgaaagtac	caacataagc	tatgtaaaaa	17160
atttgaaact	caaatttcac	atttacagat	ccttttagca	acctaathtt	gtgaagcttt	17220
tggcttgcca	gttgactgac	cttttaaaaa	tagtttcagg	ggctgggcct	gttggctcac	17280
acctgtaate	ccagcactct	gggaagctga	ggtgggtaaa	tcacctgagg	tcaggagttc	17340
aagaccagcc	tggccaacat	ggtgaaaccc	catctctact	aaaaatagaa	aaatcaggca	17400
tgatggtggg	cacctgtaat	cccagctact	cgggaggctg	aggcaagaga	atcacttgaa	17460
cccaggaggt	agagggtgtg	gtgagctaag	atcaagccat	tgcactccag	cctgggtgac	17520
aagagtgaag	ctctgtcttt	ttttttttga	gacggagtct	tgctctgttg	cccaggctgg	17580
agtgtagtgg	cacaatcttg	gctcactgca	agctccgcct	cctgagttca	cgccattccc	17640
ctgcctcagt	ctcctgagga	gctgggacta	caggcgcccg	ccaccacgcc	cggttaattt	17700
tttttttttt	ctgtattttt	agtagagacg	ggtttcacct	tgtttagccag	gatgggtcttg	17760
atctcctgac	ctcatgatcc	gccgcctca	gcctcccaaa	gtgctgggat	tacagggtgtg	17820
agccaccgcg	cccaggattt	tttttttttt	tttttttttg	agacggagtc	acctctgttc	17880
accaggctgg	agtgcagtgg	ccggatctca	gctcactgca	agtcgcgcct	ctcggttcat	17940
accattctcc	tgcctcagcc	tcccgagtag	ctgggactac	agacgcctgc	caccacgccc	18000
ggctattttt	tttgtatttt	tagtagagac	agggtttcac	cgtgttagca	aggatgggtct	18060
cgatctcctg	acctcgatg	ccgcccgcct	cagcctccca	aaatgctggg	attacagacg	18120
tgagccaccg	cacctggccg	aaactctgtc	tttaaaaaaa	aaagtacttt	cagggtatttg	18180
aaggaaatac	cacttaatgc	agattttacct	tcgaaagtca	ttttgggtcca	cgttttggac	18240
tttgataaat	gtgaaaataa	attttaaaga	ccaaggattt	tggacctaga	cttgggtgag	18300
tgtctgagtt	acgggcatgt	cctgagttgc	agatatccaa	ggctgctgcc	cgtgaacgac	18360
actttacttg	ttgccttcc	gtgtatacac	acataacttc	tcctctttgt	ccccaacact	18420
tttgcttctc	ccacctccct	tacctacag	gaaaaaagg	gaggataacc	aaggaattct	18480
ttctgagtca	gcctgctctt	aggaatgtgt	gtactcaggt	ttcttacggg	acacctcctt	18540
tcttttccct	ctgtcttaga	cttctcagg	gccatagatt	atgccactcc	tcctttctcc	18600
taagccatga	gccacaagc	ctccactttt	tattttattt	tattttattt	tattttattt	18660
tttattttatt	tattttattga	gacggaatct	cgtctgtgtg	cccaggctgg	agtgcagtgg	18720
tgcaatctag	gctcactgca	agctccacct	cctgggttca	tgccattctc	cttccctcagc	18780
ctcctgagta	gctgggacta	cagggtgcctg	ccaccacgcc	cggctaattt	ttttgtattt	18840
atttttgtat	tttttagtaga	gaagggtttt	caccttggtta	gccaggatgg	tctcgatctc	18900
ctgacctcgt	gatccgccc	cctcagcctc	ccaaagtgtc	gggattacag	gcatgagccg	18960
ccgcgaccag	caagcctctc	caccttttcta	taaagatttc	cgttttgatta	cttatacctt	19020

ttaaataaggt	ataagcagtc	aagatggtgc	aaaaacctgt	tccttacacc	cttttatgtc	19080
atgctaatact	tacaacatta	tcactttctg	tggttttctg	ggtaacgttt	tcagctccac	19140
tatggattaa	ttttgctctt	ctgggccacc	tacctgatga	ccatttataa	ctttgtggaa	19200
aggtacgttc	cacatgacca	agtttcagaa	ggatcttgga	aatataacta	gtttctaaac	19260
tgggagcttc	ttgtgtactt	tgacttctgc	tataaataac	actatagtag	actctgcttt	19320
accttggccg	cttaactttg	aggattagtg	ggacagcatt	tgacagcccg	tgaataagtt	19380
agttagctag	ttattggact	atgagacctg	aatatagaaa	ctgagacgta	aagcagctac	19440
tgtatttggg	tttgtttgct	tccccatgat	cgaactcaag	ccagggactg	cagggccatt	19500
ttcccttctt	tcagctgggtg	aaatctgtgc	tttctgtctt	atacacgttc	ttttcttctt	19560
agacccttgg	cttctgcgtt	cgaagagtcc	tgtaggtaac	ccccagctga	tccagttcag	19620
tagagaagtg	attgacttgc	tgaaaagcca	gccatcttgt	gtcataccca	tcagtcattt	19680
catcccatcc	tatcaccatc	attttgcaaa	gcagtgccga	gtgtcagact	acggatactc	19740
caagctgatt	gagttattag	aagcagtgcc	tcatgtattg	caggtaaggc	gtgtcacggg	19800
attacttggt	tacaggcagg	aatgttctct	catggctttg	gctgcctcca	tcaaagaaac	19860
agtttaattc	ctaagaagtc	agttctgggc	agaacatcca	ctaaaaactt	tcttcagagg	19920
gcaggaataa	cacacacagg	cggcttctca	atttttcaga	acgctgctag	tttccagttt	19980
tagaggaaact	ccttggagga	ctgaggagta	ttttccctct	aagctctata	gaccttcttc	20040
atccagcac	agctttctcc	agaactgttc	atgattacaa	ggaagctccc	atgaatagcc	20100
acatacttgt	atggttgggtg	ctatgtgaga	gtcaagggtc	taacctttct	tctaaattta	20160
actagttgga	gacaagttac	tgggctagag	tgtagcactg	gatcctatga	agactttttac	20220
cagtttaactc	acagtgttat	aacagcttcc	cactcactaa	aaacggcttg	aaaaacttgt	20280
agaccaattt	gtctggacaa	ccaatacagt	tttcatttct	gtactcacga	cttttctttt	20340
caaaaagatta	cacttttcat	ttttatactc	aacgactgtt	tgggagaagg	tgtgccaggc	20400
caaaaacgat	aagagtttca	gaaggccttg	gacatttggt	ccttttgacc	aactacattt	20460
tgttgatcga	catgtgtttc	aaattgcaca	cattctacat	aaagggagtc	atgctctgag	20520
gctagtaacg	agaggggtgag	ccagcagcaa	ggaagtcgct	gtctgctgag	gtcttatgtg	20580
tataaataaa	ctatttgctt	tgcagattct	tgggaatggc	tccaaacgtc	tgctgaccct	20640
taccacagag	gcccagggtga	agcgctttac	tcaggattta	ctaaaacttc	tcaaatccca	20700
ggccagcaaa	caggtcattg	tgagagaatt	ctcacaggct	tatcactggg	gagttgatga	20760
aaagacacaga	aatgaaagta	aatattttag	gacattttat	cttctgccaa	actctaaata	20820
gttatctagt	atttctatta	agcattcttt	tggaaaactt	gtagtagttt	tttgtttttt	20880
tttttttttt	tttgagacgg	agtctcgctc	tgtcgcccag	tggcacgatc	ttggctcact	20940
gcaagctccg	cctcccgggt	ttatgccgtt	gtcctgcctc	agcctccaga	gtagctggga	21000
ctacaggcgc	cgcgccaccac	accggcttta	ttttttctat	tttttagtag	agacgggggt	21060
tcaccatggt	agccaggatg	gtcgcgatct	cttgacctcg	tgatccgtcc	acctcggcct	21120
cccaaagtgc	tgggattaca	ggcgtgagcc	ccagcgcccg	gccggaaaac	ttgtagttct	21180
tctaccgatg	atactactca	ttccgtatcc	acttccgttg	ttaaaacctt	gggttttctc	21240
aaaggactgg	gatgtcactg	aatatggtgt	ttgtgagttg	attgacatcg	tatcagagat	21300
tccagacaca	accatctgct	tgtcccaaca	agataatgaa	atggtgattt	gtatccccaa	21360
aagaggatg	tgacttaaca	tttgcgtgaa	ggatattgtc	tatctcctgt	tattttaaca	21420
tagtggtggca	tgggaagatgt	ggttttccct	ccctgtccgt	gcttccctgaa	gattccacag	21480
aaagcacagt	gtgaaaactg	ctgctctttg	gattctgtgt	tcttcaaagt	aggtgaagct	21540
gttctcaaga	acaaaagcag	gctggctttt	tagaattgac	tctaagggga	aaaaggggca	21600
tcacagcac	tttgcctaaa	tgccttctgc	agcctggctg	tggctacatg	agccttagtc	21660
atccagttga	gaatctgtca	ccgtgcctgt	tggctttgct	cttctgttga	actctgagct	21720
actttatttta	ctgtgcacac	ttgagaaggg	aagacaactc	gaatgttttt	ttttcttttg	21780
cctttcaaat	tttaatagtt	gaagtgcagaa	ctgcacaggt	ccagttacgg	gtagaaagta	21840
cagtatttga	gggatgcgaa	actcatggat	actgggggccc	aatttttctg	gtctgcagtt	21900
tccgcggggc	agaccgcaag	acttgagtag	gtgcggattt	tggtatccag	gcagggctct	21960
ggacccgatc	ccttgagaac	accaaggggt	gactgtatgg	tcgtatcctc	cttctattat	22020
ctggttctta	aacgggtgctc	ctgcagaaca	ttgatgtcca	tgaaatcata	gaattccagg	22080
gccattcttc	acttaaaaaat	taatagaaac	aatctcagct	taagctttcc	ctcctgttta	22140
tttttgttca	acttttgaag	cctgattctc	tcttctgcta	gcaagtttta	actgaagatc	22200
agatgaataa	acaaaaaaag	tggggatatt	cagaagcgtg	atttcatggg	aataatttct	22260

agagtacttg	cttaagtaca	gggacctggg	tgtgtgtcat	gttaatagat	atggggcagg	22320
ggctagaaaa	ttgtttctag	cttataagat	gacattgttt	ctagcttata	agatgaatat	22380
atatgaattt	cataatataa	taatatcata	acttcctggg	gttctgccct	ggaacatgtt	22440
tgagaaccac	ttgcaaagag	ggaagagtat	atgtgtttgt	tttaggttgt	gtgtgtttgg	22500
aaggcaagg	tgatatcggt	tataaattcc	caaaaggatt	tactctagt	tggatgttga	22560
acacaaatgg	gtagaaaaaa	actgtgattt	tatgtttttt	ggttttttta	aaagaacgca	22620
ctcaggatga	aatagaaagg	acaaaacagt	tctccaagga	tgtcgttgat	ttgctgcgtc	22680
accaacccca	tttccggatg	ccctttaata	aatttatccc	ttcttaccat	caccactttg	22740
gccggcagtg	caaacttgcg	tactatgggt	ttaccaaact	acttgaactt	tttgaagcca	22800
tacctgatac	tttacaagtg	agtgaagaaa	ttctaatttt	ataaagtatt	tttctgaaca	22860
acgtatagga	aatacttttt	cacgttccag	acctgttttt	ctgggaagta	gggagttacg	22920
aaagaggatg	aaaatctaag	ctattccagt	cagagaagcc	atattcctga	ctcattagta	22980
tttttagata	aatatggcct	tttccttcaa	taaaggatta	ttcaaacttg	ttttgggggt	23040
aattattgaa	aaaaagattc	agtaggtttt	cttttttttg	tttgttttgt	tttgtttttt	23100
gagacggagt	ttctttcttg	tcgcccaggc	tggagtgcaa	tggcgcaatc	ttggctcact	23160
gcaacctccg	cctgcggggt	caagcagttc	acttgcctca	acctcccag	tagctgggga	23220
ttacaggtgc	ccgccaccat	gccagctaa	tttttctatt	tttagtagag	atgggtgttc	23280
accacgttgg	ccaggctggg	cttgagctcc	tgacctcagt	tgatccgcct	gtctcagcct	23340
cccagagtgc	tgggattaca	ggcgtgagcc	accacacctg	ctgatttctt	acactgaata	23400
tttgttcatt	actttttatac	ttttaaaatc	cttcgtgttg	aaggtaggtc	tgagtacatg	23460
aggtaacatc	agtgtctaagc	tgttcgctgt	tgctaagtta	aaccaaattt	ctggtgttga	23520
ttttattttc	tttttttact	actgaagtgc	tttttaaaaa	ttgttttatt	gtggcacaa	23580
acacataaca	tagaacttac	cttcgtaact	atctttatat	ctcctgtcca	gtagggttca	23640
gcacattcac	attgttatgc	aaccgatctt	ctgaactttt	tcatcttaca	caactgaaac	23700
tttataccca	ttcagtaacg	ctgacttgtt	ttttcattac	tagctgcata	ctttttttgc	23760
tattctgtaa	acaccgtga	ttgttttatt	ttccctttcc	tcccccggtg	tgttttcaaa	23820
ggtattggaa	tgtggagaag	aaaagatcct	tactctgaca	gaggtggagc	ggttcaaagc	23880
tctagctgcc	cagtttggta	aactccttcg	gtcccaaaaa	gataactgcc	ttatgatgac	23940
agatctcctt	acagaatatg	ctaaaacttt	tggttatata	tttcgtctcc	aagactatga	24000
tgtcagttcc	atttcggcct	taactcagaa	actctgccat	gtcgtgaagg	taaatgtttt	24060
tttttttttt	tttttttttc	cctcatggga	taaaactcac	agtgcactaa	ttctcattag	24120
gacgtttgcg	tgtgctgtag	cgtttcttta	tttacacctt	gaactactta	actgtcacag	24180
cattatgact	cgttttgtgt	cattagtgtt	tattaggtaa	tagaagcctt	ggtttggaag	24240
ttgagagtgt	tggctcttcc	cttgtgtgtt	tctgaatggc	cttgccaaag	caatgccttt	24300
gtgaactgat	gaggtcactc	ttcacccag	ggttcgggtc	tgaggtgcag	ctgcctcagc	24360
actgctggcc	tgagcttgac	tccttccagt	gtgagttttg	cctgtgacgt	tcttgggagc	24420
ccgtaatcac	acagtgtcct	ctccctccac	attctcaccc	acttaggagt	aggcttagga	24480
gcaagcgagg	gtgcagagtg	gcctttgtca	ctggcagagc	tgtagtagag	agggcagctc	24540
gtgctgtttg	ctgtcctgga	ctgcacttga	cccttcctgt	cctaggcaga	gcagctgcca	24600
gttttcggcc	tcctcccca	caggaccaga	agaagtcact	gccaggagga	aggaatggaa	24660
aggggaagcat	gaaggacggc	accctcagtt	acaggcccat	tactagctgc	acacatttct	24720
gtgtcattta	attccgtaaa	cagccagaac	gggttcactc	tccttttctt	tcccactgtg	24780
gggttttttt	ggagttggag	tcttgtctct	tggcccaggc	tagagtgcag	tgggtgcgatc	24840
ttggctcact	gcaacctccg	cctcccagg	tcaagagatt	cttcttctct	agcctcctgg	24900
gtagctggga	ttacaggcgc	ccgccactac	gccagctag	tttttgtatt	tttagtagag	24960
acagggtctc	accgtgttgg	ccaggctgat	ctcgaactcc	tggcctcagg	taatccgccc	25020
acctcagcct	cccagagtgc	tgggattaca	ggcatgagcc	actgcaccca	gccccactg	25080
ttttttaatg	tattggactg	cagctaagaa	gacgttctta	ccttggcaga	ggtaggaacg	25140
ctcagagctc	tccttaggta	ctgattgggt	ggaggaggag	gtgagagagc	aggaagcaca	25200
accaggagag	ccgaacatcc	ctgagccaag	gcagaggaat	ggccagcagc	atcgaggag	25260
ggctggctcag	agagggactg	cctgacttcc	aggtttagct	cagtgggaag	agtcggtgct	25320
gctggccagg	tcagtggcag	tgttgggtgt	gtagacagaa	gccaccttgg	agtgtggtga	25380
ggagttagga	gaggtgagaa	aatggcccag	gtcatctgga	cagcatcctg	gtttgtctgc	25440
ttgtgaagat	ggagggctgt	ggcagcagct	agaggctgtg	gggctgaggg	agcaagggag	25500



gatttgggct	gttgggttttc	ctacctggaa	aaacttgagc	atgtctgaaa	gccattgatg	25560
tggatctgtc	tagagagaga	agatgaacat	acaagggcga	gaaggggtaa	gacaggaggg	25620
ccttgagggtg	tgggagacta	ggaaacagca	cacagaggaa	ggaggaagta	tacaggggcaa	25680
taggctgggg	gcaggcatgg	gcaggctctga	tgtttatcat	caggaataga	agggagtcct	25740
cttccaagag	tggttttcca	ctagagagag	ggactgatct	ctgcttagag	agagagagga	25800
gaggcagggc	tcaggactta	ggagtgggga	gaaggtccac	agttgtcatg	gtgagtggag	25860
agtggcttga	tcaggatgtc	acgtggagtg	caggggtatc	gagagctcac	tgcaagtgg	25920
caccgtagac	tctgggagag	cagcagttgg	ggtgtggcta	tgcaggtgtc	ggttcaggga	25980
aagcaggtgg	ttggattcaa	ggtgggagtt	taccgatggg	cgtcaggaaa	aggcatggga	26040
tgagcgaatt	taaataattga	caagaatgtc	agtgccagca	tgacaaaaga	ggagagtga	26100
gcaagggagt	gggctggcaa	attgggagca	gataggaggc	agtgatgctg	ctgaggtttg	26160
agaaggggcg	gagttgagcg	ggtagagtct	ctttctgcac	tcccaccca	acagcagctc	26220
cagacttgct	tttgcaagtg	ggatgtctag	gaggtttgaa	tgatttatgt	tggatggggt	26280
aatgacaggt	ttgcaactgtg	accctggaga	tgggtgtctg	cagtgaatt	gaacacagga	26340
ggatgtcgtc	ggagatgaca	gaggcaaggc	attgaaaggc	tatacggctg	tgggtgtggga	26400
caggtccctg	ggtgttcagt	tgcccaggat	gatgaaaggc	gtggactcag	gtggatagga	26460
agacccacg	ccatgacctt	gggctttgct	gggtgagtgt	gatgggtggg	cagctggggt	26520
gtgagcagca	agaatgggga	gagctgagag	aggctccgtg	gtgcctccct	ggctgccac	26580
tgggtctcct	gggagcttct	ccaaccttac	ctttcagatt	cttatagaat	tagtcccagc	26640
acactctgag	catttgggtt	tttaaaagct	ccccaggcaa	ttctaatagca	tagccgggat	26700
tgagaatcaa	gggatggatc	caagtcgcac	cagaggagca	ggctctgggt	tggtttcttt	26760
cctaagcagc	tgtagtgatg	gtgggggtct	gggtggctaa	gatgactggg	atccccctgga	26820
cttgtatcgg	ttggttgatt	aaacccgctt	ctgaggagga	aatctataca	gtcccataat	26880
catgataagt	aggggtggac	cctgccagcc	tccctcctgc	cttggctctg	ggcacatgtc	26940
agaaccagat	aaagatgcc	tggctctggg	atggctcctc	aagtgccacc	cacctctctc	27000
tgctctcag	aatccacggt	ccaagagtg	ccaacttggt	gtgacttagc	cctgccaaaga	27060
cctttggccc	tggcaggaaa	accagataaa	gggggcaaac	aagctgtcag	gatgagcatt	27120
ggtttgtgag	agcagtgcg	gagccgtgtg	tgtgccaaag	ctctgcctgt	ttttgtgcca	27180
ggaaagctca	cgccacagcc	tcacctcgc	caccacagc	ctgctggctc	agtcaccaga	27240
tgcgtgtttc	ttcacatggt	gtttgggtccc	caagtgacaa	tctctgtctt	ttttgtaagg	27300
tttccctctc	agcgatttta	accgcttaaa	ccctttatct	ccttgagaat	ctgaaataat	27360
tgaggagtgg	acagttacta	gtcagatgaa	aataccagct	ttgtgggtgag	taatagcaga	27420
ctagaaaaat	cagccttgcc	ttgtaatcag	agtaggcctt	ctctcacctc	cccagcccg	27480
cctggggacg	catatgggca	agtcgggtct	gcacagaagc	catgtgagt	ttgcttagag	27540
tctagctccc	ccatccctac	cccccttcga	gcacagcaac	ccacacttca	caagcttgga	27600
ccactggcca	tcagctggcc	agtctgtgtc	cttcttatag	tggggtttgg	aaagaatgaa	27660
tgaaaaataa	agagaatgat	gcaatttcc	ccccattat	tatcttgttg	agagttttca	27720
gttatggacc	ggcaggggga	ggacagtttc	tgtctccatg	ttggtctggt	gtcccaaaga	27780
cgctaaaaac	aaacccactt	gctttatttc	agtgtgaag	aaaaaaatta	gagatttttc	27840
atctgttgg	ctcattaacc	aaaatgaagt	gagctgagtt	gggtataacc	taggggtgtct	27900
ctcttgagct	ctgaaaagt	tgaattctcg	ttttccccag	gttgccgata	tagaatctgg	27960
cagacagatt	cagctgatca	accgaaagtc	tctgcgatct	ctcactgcc	agttgtctgg	28020
attgttgatg	tcttgggaag	gaaccaccca	tctttctgtt	gaggagctca	agagacatta	28080
cgaaagtacc	cacaacactc	cccttaaccc	ctgtgaatat	ggattcatga	ccttgaccga	28140
actgctgaag	agcctgccat	acttgggtga	ggtaggcacg	ttaatggctc	tttagaacta	28200
tcattgaaaa	ctatcgattg	ggcatttccg	gattacctga	tggcttagat	tagagtgtgt	28260
agagctggaa	gggacccgag	agaccatttc	atggatgaac	acgccgagac	ctcaggcagt	28320
gaagcagccc	tgccataatg	ggtggcgaaa	gccagtga	gcctgggtctc	ctcatcctgg	28380
cactgggggtg	tgtttgtccc	gttctagga	gaaagcctgg	tctcctgatc	ctggctctgg	28440
ggtgtgtttg	tcccattcca	ggatggattt	cgctactgtt	ttatctttct	gaatgagatg	28500
gtttatgtgg	tggcttgaag	agagagatga	gtaagggtgag	ggcagaaagg	aagggtggcc	28560
agccagtccc	ccaggcagcc	tttcaagaat	ggcgctccaa	gattgagaga	atcttaagag	28620
aatactgcat	gcaattctcg	ggcgacagat	ataaaaacct	agagtaaata	aatgaaatcc	28680
tggaaaaaat	aagttacca	aattcactca	agaagttaaa	aattagacca	attaccataa	28740

aagagactat	aaaagatcac	tgaatatatac	cagtgaaaaa	ggcatcagga	ccaagtgaga	28800
taacaattga	atttcaacca	accctaaaag	aacagataaa	tctacctttt	aaaaaaccat	28860
tctggggccc	ggcaagggtg	tacacgtcta	taatcccagc	tactaagaag	gctgaggcta	28920
gagaatcact	tgagcccagg	agtttgaggc	cagcctgggc	aacatagcaa	gaacccatcc	28980
ccaagaaaaa	aaatactgtt	ctaggctgct	gaaaaagaaa	aaaggaaagc	ttaccattta	29040
tttttacgaa	gccaaaataa	atttaatacc	aaaaacataa	gatagtccct	taaaatgatc	29100
ctaaataaga	tattaacaaa	tgagctccag	caatttaaaa	gaatgatatg	ccattatcat	29160
ctaactgtgg	gacacatcat	taaataatga	aaggatatac	atccagcatt	ttctaaactc	29220
tgtaaatatc	tatcctaaga	acaccagttc	tggacaggty	ttaatgcata	tttcaggaca	29280
aaggactttc	cctgtccagc	taagattggg	aatatccttt	ctcttggcga	ttccatagca	29340
tgttaaacac	tttgaaaagg	tttgtggtaa	agaaatctgc	ttccttacc	tgcatacaca	29400
agggttttgt	gtttgtttct	tgttgctttt	gatgtgtttt	taaagaatgc	tagtgtcatc	29460
ctcttatcac	agtgtttctt	ggaaaactgg	tttggaggty	cagtttaatg	gccccagtgt	29520
tcaactgtgt	taccgtgatt	tgccaacaca	gtttgcctcc	cccgatttct	tccctactca	29580
cacactgtct	cttcagaccg	ctgcagcctt	cgacttgcaa	atagaactga	agtttgctgg	29640
aggctatagc	cttctcttgg	aggaaatcct	tgaatatatac	cctcctcctt	ttctttctcc	29700
tcttctctct	ttcttctctc	ctcttctctt	cttcttcttt	gtcttttttg	tcatcttcat	29760
cttcttcatc	tttgtctttg	tccaattcgt	cgtcttctgc	ttctttatcg	tctgtcttct	29820
cttcttcatc	gtcgtcttct	tcttgtcttc	gtcttcttgt	tctttgtctt	catctttgtc	29880
gtctttatct	tctgtttttg	ctcttcttct	ttgtcttcat	cttctttgtt	gttgtcttct	29940
ttatctttgt	cgtctctctc	ttcttctgca	tctttgtctc	cttcttcatc	ttcatcttct	30000
catcttctgt	gccttctttt	tcttctttgt	cttctgtctc	aactctgggc	cttttccctc	30060
agtgggaggc	cttcaacttt	cacggggcag	ggccagtcac	taatatttct	aatgctgcgt	30120
tttcttttta	accaggtttt	cactaatgat	aagatggaag	aatgtgtgaa	gctcacaagt	30180
ctgtatattg	ttgcaaaaga	tgtgcggtct	ttacttcata	cttaccacta	ccagcagatt	30240
ttccttcatg	agttttccat	ggcctatacc	aagtatgtcg	gagaaaactc	gcagcccaag	30300
acctacggcc	acagcagcgt	ggaggagctc	ttgggagcaa	ttccacagg	gggcattttt	30360
ctcagcttcc	gggagagcat	cttctgaaca	gccacaggct	aactgtcctg	aacagaaaaa	30420
taaaatgctg	ccagaataat	ggaacggcag	gcattttgaa	ttgatccttt	caaaacatac	30480
tgttgggtcta	aagtaaatga	tttttagcatt	tctccttgat	tctttctgta	aacctttatt	30540
aaatccctat	atgccaggty	agtaagtttc	aggctgtaac	tctagaaagg	tgttgggttaa	30600
tgggagagtc	aagaccccca	agcaggcaac	tagtcagggc	ggtcagggca	gtgggcgcgc	30660
tgaggagggc	cgtgtcagg	cccacttccc	aagcctggg	agcctgttgc	aaaaccttca	30720
aggatgtgcc	tgagggaagc	acgtgacaag	gaggggagag	agcattctgg	gcaaagggga	30780
tgatgacatg	agcagatgca	gggttgtgac	aagtggcatg	gagtgtcgag	aggctaagag	30840
ggagctgaga	gctcggttag	ggagggcgtg	gctcctccag	gtaaggaggg	aggactgtgt	30900
tggagagagc	tggagcccag	gtttgcattt	gaaaagcacc	ccagtgggtc	tgtccatggt	30960
agagccgaga	gaagcaggca	tggagaagg	aactgggcta	ggatcctggc	cactgcagag	31020
gtctgggtca	gtgttagatg	gagggattga	gccagagtaa	aaatagtaga	atagagggaag	31080
taggaaggac	ccaggcaaag	cttgcctggg	agctgagatc	agtgcactgg	cgacggtgtg	31140
cacatgtagg	gggcctggga	gcctagctcc	actactacca	ctctgcttgg	ctgagatgga	31200
gagcggcacc	atcaggggaga	ggactttaag	atgctgataa	tgaacttagt	ttaaagggtc	31260
tgagagattg	ctcttaattc	tttttaggtg	ttgttcagtt	tctgcaaaaa	aatggcaaa	31320
agctctcatg	tgagaactac	cttaatttat	atgccaaagc	tgggtgtttg	aagacagtct	31380
ttttaagaat	tataaaggat	atttctgaaa	ctgtgtctca	tgatttttga	actactctgc	31440
tttttatagg	ggtatgtttc	tgtcagcttc	tgttgcttta	aaagctaagg	agagagtaga	31500
gaaacatgct	tcttggcagt	aactcagctc	ctaaattcta	gcctaaggca	ggctccgtag	31560
gtcacactct	tctgaatgt	tagggcttct	gtccctctct	tttccgctgc	ttaccagta	31620
gtatgtcttg	tgtgcaggty	gtctggataa	aaggacatgg	tcataagaga	attgtagtgt	31680
taaaaaatga	catgaaaagt	aagtaagcac	ccatcccttc	cccccttaa	aaatcacggt	31740
tctctcactg	acatttctct	ctgacgggtg	ctctttgtcc	tgtaggctcg	ttgagttcac	31800
tcagtctctc	ccctgccaat	catgaaaacc	agccctcgga	gggcgagcgc	atcctggagg	31860
tgcccgaatc	gcacacagcc	tcggaactca	agcttgagc	tgacggcagt	ggtaagagag	31920
gaaaagcaga	gacataggag	cttgtgaaat	tctaggagaa	acggcttttg	ggtcggggag	31980

agcgagggaa	aggactccag	caagtcaccc	aatctgctga	agttacatag	ccacacattt	32040
ttcaaagcag	ttttggtatt	tagttagtaa	caggataaaa	ttgaccttta	tctgttagca	32100
ttgcatgggt	gactgggttaa	agtccttgaa	ggatggtggc	acccccataa	tgatcatctt	32160
accccagttc	agatggtgaa	gaaaaaaatt	attccgacac	ttattataat	ggatattcat	32220
gacacttgca	acaggggaga	gagagccaac	tcccaataca	tagcctagga	gcagagtga	32280
ggctcagtgg	gtggaaaatt	actaagagga	ttcttgctat	aggcatgcag	gccagccaag	32340
gatctagaca	tcagtgggtg	ggaataagga	attcgatcag	ctgtgaaggg	tgaggggatt	32400
ctcactaaac	tgactcaagc	taagactcta	gagcgagccg	gcaagttcag	caacagacat	32460
ggaaggccaa	ggtcaggcct	gatccggaag	agggctcagg	gtgcctgact	catggctggg	32520
caaggcgtct	ttgtcacagg	acagccctag	gcaggatttg	atataactaat	gcattaatat	32580
tacccaaaat	tacactgagt	cacatagatt	tcagatagat	ccacctctgt	agtagataga	32640
ggccaattct	tggaatgtta	tagcagttct	aaactttctg	aaggactttt	gaattcatcg	32700
ttataggtga	gaattttgtc	ttcataacat	gcggcgagat	agcacgttac	cgtcccctgt	32760
gcccttagga	taactgagtt	acacagcatt	tgacgtttta	tgaagcgccc	tcctgggaat	32820
catctgccga	agctgcccc	cagccttcag	cagtgcagac	ctccgttgtg	cagcggaggc	32880
tcggaaatct	caggcagtca	cgtattacag	ctcaccaga	gtcagcagct	aggaagccac	32940
ggaaccaggc	ccagggtctc	ggattctgag	cttcacttg	ctgttaacta	cgtacacccc	33000
gtctcaggct	gtcccttctc	tttggaagct	gactgcagga	cccttttctc	tggttgggtc	33060
ttttgagggg	ccagtgttcc	taagaacacg	gatcttcaga	agaactagct	tattaaggcg	33120
ttccattacc	aggatcttcc	tggttagtggg	ttttgggttt	ttgttttttt	tttttttttt	33180
ttttaatacc	ttaaataact	cttgactctc	ttatctttta	ggcttagaag	gaaaacttca	33240
ggtgtgagcc	cagggtgtgt	gctgggggtg	ggcgtggagg	tcctgtggtg	tcacggccct	33300
ccttgtttgc	ccagggccca	gtcacacaga	gcaggagctt	ctccgcctga	ccgacgactc	33360
ccccgtcgac	ctcctgtgtg	cgcctgtccc	ctcgtgcctg	ccgtcccctc	agctgagacc	33420
agaccccgtt	atcctccaat	ctgctgatct	cattcagttt	gaggagcgcc	ctcaagagcc	33480
ttctggtggg	tgactccatg	ttgtcatggg	gattttcttc	ggggttttaa	acaaaaccac	33540
gatgagatac	tgatatagta	aatgacggag	gtgggaaggg	actacccttt	ttcaggtgga	33600
aaacactgtg	ctgattattc	gaccttcttt	ccccacctgg	gttcctgcag	aatgggatgc	33660
acagcctgag	gttgcctggc	gagcatcagg	caagggcgat	ttggcagctc	tggagggctg	33720
gtggctcggg	gctgtgggcg	agtcacacag	gggtgggtggg	gcctcctggg	cttctgctct	33780
cccagacttt	gtgaaggttc	agctgctctc	aggcacacct	gtcaccagat	gtacacgtca	33840
cccaggttgg	gggtccagag	ggcccaaggg	ctttataaag	gggtgaatgg	agggaggtgt	33900
ctgtggctgg	agccccggac	tctgcccagt	gatataacag	acaggaagct	gagcacactg	33960
agtcacagcc	tagtgacggc	attggcactg	accctgtgct	cagggctgac	agacaccatc	34020
acattttaact	cttaccacgg	ctccaggtga	gagccgtgga	ataaaggcag	ctgctttatt	34080
ccacaggctg	cgtgactaag	gcacagctgg	tgccgtcact	agagaggcag	tggccccggg	34140
ctgctgggct	agcaagggca	gagccggcat	tggaaaccaa	gccctcttgt	cctgcgggtg	34200
ctcctggcct	ctggagagga	tggcccatct	gccctgtaca	gatccctccc	tgtcttcat	34260
ctggttgaac	ccaactcctc	cccactgctg	gtgctgcttt	ccaggtcacc	aggaacaacc	34320
cgtggactcc	tggcttggct	tttaccatct	tgggtgttct	tggcagcggt	cagcactgtt	34380
gcccaggaaa	agaactgagg	ctggtgactt	ggaaaatagg	agatggggaa	gtaactgctt	34440
gcggatagaa	ccagcctgtg	cagtcagacc	tagaccatgc	cctgctcctg	tgcagtccc	34500
ccctagggtt	ggtggcacat	tgatgttagc	tcgtttgtgg	gggtgtggcc	tttgtgcctt	34560
cagtctgggc	aagttcaact	gcatgcaccg	gacaagagag	gaaaataatt	aaaacactgt	34620
gggcagttct	gtcagccgct	cttctcttga	gggtcagcct	aggcagggag	ctggctctgc	34680
tgtccctctc	gccactctca	ccttccatgg	gcctttggga	gcaggagccc	tgtgccttat	34740
gcagtgggag	tctaaggcat	aatgatgcac	ctctttcaag	cagcgtggcc	ctgtgtgtag	34800
agcaggtgaa	ttacatgtgg	ctcagccaca	gaaatggcag	tccagaagca	ctgtgggaaa	34860
gctggctgtg	ctcaacttcc	tgggttctga	gggtaattct	cactctgcgt	agtccttctt	34920
tatccccggt	aatagacca	tggggagcat	aggctctctc	taaattggagc	aggccaggag	34980
ctccctgaca	cccagatgct	ccgacccac	cccctaccac	ccacggcctc	ccgcctcagg	35040
aagtctctaa	gtcgtggata	gctttatggg	tccttaatat	ctggcaggca	gaatgaatgg	35100
gcagagaatc	caaaatggaa	aaacaaaaag	ttttaacctt	tgctcattca	tttatagctc	35160
aaaatagaga	tctttccaac	tttgtaatcc	agtgggagag	gtgggatgca	gtttatagat	35220

acttgatttc	tgtgccaaagt	tcactggcca	cacaactcat	atgtaaactg	tggcatagat	35280
gtagcattta	gaagcttttt	attactatta	ttatcttttg	agaaaatatg	agcaaggaag	35340
agaaaaccca	cacttcttac	agttccttga	tctgaatctg	tttgcttttc	tgtgtttaca	35400
gaaattatga	ttttaaacca	agaagaaaaa	atggagattc	caataccagg	aaagagcaaa	35460
actctgacct	ctgactccag	ctcgtcctgc	atctcagcag	ctgtccccgt	gcctccctgc	35520
ccctcctcgg	aaacctccga	gtcactgtct	agcaaggacc	ccgtggaaag	cccggccaaa	35580
aagcaaccca	aaaatagagt	caaattggca	gccaaacttt	ccttagcacc	tataaccaag	35640
ctttaactcc	catttggaat	atagaattag	gatgggaaaa	cactgtctga	ttctgcacac	35700
aaaagtgggt	ttcaaaaata	catccttttc	tgtgtcatga	aaaccccccg	aagccattga	35760
cttcatctta	cctgtgttct	atcatgtttt	tcttttccat	tgaacacagc	tttgagctga	35820
agtctttctt	ttcttcttcc	tttttctttc	ttttttcaat	tatttgaaga	acttgtggca	35880
tttgttaaag	aatccttaat	atattttacc	aaatttttag	taactattat	gaaatacaat	35940
ggtgttccaa	aagaagaaaag	cactaaaaac	tcaactagca	ggaagcgggt	ttgcttccat	36000
tgagccacgt	cgggtggtgtc	atcctacatg	tagcataata	gagtctctca	gcctttgctt	36060
actggtgttt	ccgacagtat	taacccagtg	cgtggcatgt	ctttgaagca	aagcctgtcc	36120
cgctagcctg	tgtgttcaca	caccaaagga	gaagggtagg	cgaggggttc	ggagtgtatt	36180
ttcaggttgg	aatgtgaagg	ttcctggctt	ccatgtgact	tgtaaagtgtg	ccttgttttt	36240
tattttaaact	atgtctgtag	ttgacaaaag	tggcttcatc	acaaattttt	ttaaacgttt	36300
ctactttggg	gttccattta	ggagctttct	agaaaagtga	ggatgtttga	agcttccctt	36360
ctgtgttcca	gtttgatatg	ggttaggtta	aggaaaagga	gatggtctcg	atgtcatgga	36420
tttaaagtca	gcatttggat	tacaacacac	attattgtgt	gtcgagaggc	agcattggaa	36480
agagcctgat	tttctaaaa	atgcatcaag	tgcataaatt	acaaatcaga	gctgagtggg	36540
gaggtgtctc	agcagcagcg	ggatcaatac	gatttccact	gggaagagac	aggaattcta	36600
cctacacata	ggaaggccaa	ggttgatcca	cctaaccttg	ttattgtaat	tttaaagctg	36660
gtatcggtag	ctgggaagct	ttatgtgtgt	gtatgtcagc	tcagcatctt	ttaatcgtgt	36720
ctgattttac	tctcgttact	tctcgtgtgt	ggaagcatct	ctgggtttct	tgtggcgtct	36780
ggtgtggaat	ggccttctct	tctaggtgcc	tggaggtgtc	gctgacgggt	ggcctctcac	36840
ccccctctag	agaaacctga	cattttacaat	ggattgtatt	tgtccggcaa	aaaaggcgga	36900
ttcattcata	gagcagaaaag	aacctgttgg	cgtaaggctc	tccactagtt	agatggtttc	36960
ttttggggaa	atgtttatat	ttggtaactt	ctagaaagcc	agaaaatgga	ctctgatttc	37020
atagcatttt	gataaaaatgc	cacaaaataa	gggctataga	gagattttta	caagtcagat	37080
tttttgttcc	ccaaatcttt	taaatgaagc	cagtgtactcc	cagttctcaa	cacatggccc	37140
cagtcaagac	agaacaccat	ggaaaaaacc	ctgtaagtat	tatggcactc	tccgaatcct	37200
cctgaaggca	tttctctctac	agacatagtg	ttacaggaag	tgaaatgcaa	atgtgcaatt	37260
ttttttaaag	gagcttttta	acaaagtaat	aataattgggt	gttgagaaca	tcagttgcct	37320
tattctaaga	tttcataagg	ctgagtttgc	acgcttggac	ttcagttctg	ctagcatgta	37380
aagagtgggtg	gacttttaaaa	ccgtaagagg	tatcattaca	agtcacctgg	aacagactca	37440
aagaacagggt	tctttgggca	acagacaaaag	aagaatcaag	ttctgtgctg	tcccgtgagt	37500
gtgtctgagt	accattcact	ggagttgctg	ccttaggtctg	ggacgtgtgt	gtgactctta	37560
acaattgctg	tctgaaaatg	agagagaaga	cctcgggaagc	acattgtgtt	cataatgtac	37620
tccacaatgg	ccagtccaat	tgtatcttat	ttttttatcc	agaggcttaa	ttaaatgatg	37680
tggtaaaatg	atgttttgagc	attaagacaa	tgtaatctct	tatttctggg	tggaaagata	37740
taccggatta	aattttatctg	tttaaaaaaa	tgacaaaagt	tatcaccaaa	accccttttc	37800
ccatcttgca	ctgtttgttt	tggattgggt	ttgggggaaa	gagatgtttt	tcttagttgt	37860
ctactttgtt	tgaacacttt	tgttgtgggt	caagtgtctg	tttgtgtgtt	gggaccaaac	37920
agttgtcaat	aaacttttaca	agcgagcatc	tatttttagt	ttcccaagtg	agtggttttg	37980
tctgtctgtc	tgtctgtggg	gaggaattac	aaaccaatac	agttctgcca	tctttcattt	38040
tgggtctcct	caacttctct	ccccttcttg	aaatagaatt	gtgaggtgga	gagtaaatac	38100
gtctacatct	tagaggcctt	ttaaactcag	cacacgccga	agcaggtggc	tggatggtgg	38160
gcccttcgtc	gtcaggatcc	tccaagtttt	ccagcctttg	ttccagctta	taattacatg	38220
tgggaaaata	cagtaaccac	aaaaaccttc	cagttagaaa	actctattaa	ttcctaggct	38280
ctctcttctt	gtgaaagaaa	ctccagcgtg	cccgtgtgtc	cgtttttggg	cactgctaag	38340
catgcttttt	gaataagcca	atgttgaaaa	gagttattcc	acagatacag	ttgtgaagcc	38400
ctcccatccc	ctgagaccgc	cattaccccg	tcaccctgtc	caccagcacc	ctctggcaag	38460

aattttaaag	gaccagaag	agacttgagt	aaattgcttc	ttgatgacat	ttttttcaag	38520
ttcagcaatg	ttaaaagctg	ctaaagacct	ttccaaacat	ttcacgatgg	caaatttgtg	38580
cagaaaaagt	tgagtagcca	tcgtgcccct	tttgagcggc	gtcaggaggt	cttgtaggt	38640
gtggactggg	gctggaacgg	tggttttgca	tttatctttg	tttgtttccc	acctaggaag	38700
gtgattcaga	ggtggggggc	tagaagacag	ctgtctgggg	gagagcagac	ctgtccgtag	38760
cagagggggc	tgcgctgatt	gaagaagatc	tgttccctct	ctgttccctt	tgccagaagg	38820
agcgttgccg	tttgggattc	accttcactt	tctagctgct	tccatgggca	gaggggtgagt	38880
catggcgag	aagccctcag	cggcctccac	ccacctgctg	tccccattgc	tggggggggg	38940
ggcgggtggc	ggcaaaactt	cctcaattct	cctagtgtcc	ctggctgggc	cttaaaactga	39000
caaagacatt	aataggaaaa	aagcaaacaa	attttacttc	ataccagttt	tgcgagagtc	39060
ttcataagga	aatgaagacc	ccagagaaat	ggctaagcct	gagtgggttt	ttgttttgtt	39120
ttttggtttt	ttgagacagt	ctcactctgt	caaccaggct	ggagtgcagt	ggcataatct	39180
cagctcactg	caacctccac	ctcccagggt	caagcgattg	tcctgtctca	gcctcccagag	39240
tagctgggat	tacatatgtg	caccatcaca	ctggcaaatt	tttgtatttt	tagtagagat	39300
gaggtttcac	catgttggcc	aggctagtgt	tgaactcctg	agctcaagtg	atcctctggg	39360
ctcagcctcc	caaagtgtcg	gaattacagg	catgagccac	cacgcctggc	tgagaacgct	39420
tttttttggg	gggggggggg	gcggggggaa	aagggctaga	gagcttagaa	ggtgccaaagc	39480
cagagcacca	agagccagaa	ctttccttag	caagatgaag	agaagaatac	acacgttccg	39540
ggaaggaacg	ccttggaagt	gggggagctg	aggtgcagag	gaagaaggca	ttgcaggggtg	39600
gaaggggccc	ttcttagagg	gaaatcctgc	tcagtggctg	ggctgctcag	ctcctcactc	39660
cgcacgaggt	ggtgaaccaa	ccaggagcat	ccgcagggga	gcagtaccag	ggccagcagg	39720
gaacatattg	ggcctgcttg	gcaccgtctc	ttccatccgc	ctcaggcagc	tcagtgtgatg	39780
gcctccaaag	gcttcccagg	tgcaaggcct	gggcatgagg	gaacccccgc	tcctaccacc	39840
cacctgcccc	cactgcagtt	tctggtatca	gcaagtgcag	acaaatccac	actggggctg	39900
cagggtcgcc	gcccttggtg	tttcagcagc	cagagtctga	tgcatcaagg	gcaggtgtgg	39960
caagaatcag	gaaatacatt	tttttttttt	ttgagacaga	gtctcactct	atcgccaga	40020
ctgggggtgca	gtggcacgat	ctcggctcac	tgcaacctcc	taccgggttc	aagcgattct	40080
catgcctcag	cctccgaaca	gctgggatta	cagatgctgc	caccacacct	ggctaatttt	40140
ttttgagacg	gggttttgcc	atgttgctct	ggctcgtctc	aaactcctgg	cctcaagtgg	40200
ttcacttgcc	tcggcctccc	aaagtgcggg	gattacaggc	gtaatatata	atagatatta	40260
tatatagata	tagatataga	tgtctctata	atatctatat	ataaatagat	atatctatta	40320
tatataatag	agatatatat	ctatatataa	tatatagata	tctatatatt	atatatagat	40380
atatatctat	atattatgta	tagatataat	atagtacac	agtcaaccat	gcccggaaacc	40440
cccaagcccc	cacttttttt	ttccgagatg	gagtctcact	ctgttgccca	ggctggagtg	40500
caatggtgcg	atctcggtct	tttgcaacct	ccgcctcctg	gtttcaaccg	attctcctgc	40560
cttagccttc	cgggtagctg	ggattacaag	catgtgccac	cacacttgct	aattttttgta	40620
tttttagtag	acatgggggt	tcaccctggt	ttttaaattc	tctaaaagga	agaggacact	40680
ttttttgttg	ttgttgttgt	tgtgttgtgt	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	40740
tgtgttttga	gacaaagtct	tgtgtgtgtc	ccagactgga	gtgcagtggc	gcaatctcgg	40800
ctcactgcaa	cctctgcctc	ccagggtcaa	gcgattctcc	tgccctcagcc	tcccaagtag	40860
ctgggaccac	aggcgccccc	caccatgccc	aggtaatttt	tttgtatttt	tagtacagat	40920
gggtttttcac	catgttagcc	aggatggtct	caatctcctg	atctcgtgat	ttgcccgcct	40980
cggcctccca	aagtgtctgg	attacaggcg	tgagccaccg	tgtccagccc	tgtttgcttt	41040
taaatgggag	agacctgttt	aaatccctcc	gatgggaaga	gaaagaacaa	ttggggctac	41100
agtgggtggg	agggaggggg	atgaatgatg	actctgtcac	taacaacccc	tgggaccgtg	41160
ggcagtggat	ttactgccac	ttcctcatct	gtaaagttag	aagtataaac	aggatctgac	41220
tactgttttc	aagtgtttat	tctgcctccg	cttgcaacct	cttgcaacct	ccgcttgaaa	41280
agggtaatgg	atttactgct	acttccctcat	ctgtaaagtg	agaagtaata	acaggatctg	41340
actcatcagg	ctgatgtgag	gagggaaacca	gccagtgtga	gcacattgct	caaggcatag	41400
agataagcta	caataaatgt	tattcccatt	atcaacctcc	tccatggctt	ctaaaaggag	41460
caagtctagg	tgtgcaggac	cccacagtct	gcaagggttt	ccagcttgga	agggtggcct	41520
ggtaatctgg	aagcgtctgt	gacagcttaa	ataaattgga	tttttttaatg	ttttcttttt	41580
ttaaaaaaat	cagtaggaat	tacaggaaca	tacagtaggt	gtaccagag	cttagcggaa	41640
gtaccagagg	caggattttg	atgaggggtt	gatctcctct	ggttcgttgg	atctgtgagt	41700

gactgctgta	taactggcct	gaggtcagac	ctcgctgacc	ccccactcc	cctctcccct	41760
ttttttttga	gatggagtct	cgctctgtcg	cccaggctgg	agtgcagtgg	cacaatctct	41820
gctcaccgca	agctctgctc	actgcaagy	ccgcctccc	ggttcacgcc	attttcctgc	41880
ctcagcctcc	tgagtagctg	ggactacagg	cgtccaccac	cacgcccggc	taattttttg	41940
tatttgtagt	agagatgggg	tttcaccgtg	ttagccagga	tggctctgat	ctcctgaact	42000
cgtgatccgc	ccgcctcggc	ctcccaaagt	gctgggatta	caggcttgag	ccaccacgcc	42060
cggaccccc	aagccccccc	tttttttttt	ccgagatgga	gtctcactct	gttgcccagg	42120
ctggagtgca	atgggtgcgat	ctcggtctct	tgcaacctcc	gcctcctggt	ttcaaccgat	42180
tctcctgcct	tagcctccc	agtagctggg	attacaagca	tgtgccacca	cacttgctaa	42240
tttttgatt	tttagtagac	atgggggttc	accatgttag	ccaagtgggt	catgagctcc	42300
tgacctcaag	tgagcctccc	acctcggcct	cccaaagtgc	tgggattaca	ggcatgatcc	42360
acagtgccca	gccttgacct	acatttttta	tggggaaaag	agggcgggtg	gccctttgca	42420
gcctgagttt	tactgcacg	ttggagcggg	aggggtctgt	ggtgggtgga	attgggtcct	42480
ccccaaatgc	atgtctacgt	ggagcctcag	aatgtgacct	tggttggaaa	gagggttttt	42540
gcagaagtaa	ttaaggaaa	ggtccaaatg	agatcatact	gcattcgggt	ggcctcact	42600
ccaatgactg	gtgtcttttt	aagatgagag	ggtgcacaga	ggcacatata	cagcggaggc	42660
ggccacgtgg	agacagaggt	gaagactgga	gtggtgcagc	cagggaactg	ccaaggtgcc	42720
aggagccacc	aggagctgca	agaggcaaaa	gaagattctt	ccccacagag	ggagcagagc	42780
accgcagaca	ggttgatttc	aggcttctgg	ccttttaggac	tgtgaaagga	gacggttcca	42840
ctgttttaag	tcaccacgta	gaaggtcatt	cattatggca	tccccagtag	acgaagagtc	42900
tggcttcatg	attggtctag	gttgggtgaag	gaggacacgg	ggtcctctga	ggccattgtg	42960
gtggcactga	gtagcccaag	ggaccctttt	cagcatcaga	atggtgggaa	gtggtgtgca	43020
gaccaaagcc	gcgaacacgc	agagtgggag	gactggggtc	tagcagcctg	ctgggagggc	43080
ctgtccaacc	aaagaccttt	tgatctacaa	attttttttt	ttttttcgag	acgaagtctc	43140
gctgtgtcac	ccaggctgga	gtgcagtgcc	gcaatctcag	ctcagtgtaa	cctctgcttc	43200
ccatgttcaa	gagattctcc	tgcctcagct	tcttgagttag	ctgggattac	aggcacaagt	43260
caccacaccc	agctaatttt	tgtatttttt	ggtagagatg	gggtttctct	gtattggcca	43320
ggctggctgc	gaactcctgg	cctcaagtga	tcagcctgcc	tctgcctccc	gacgtgctgg	43380
gattacagat	gcgagccacc	gcaccagacc	aattttacaaa	tattttgaaa	atgctactta	43440
tgaatggccc	aataattttta	cttctaggag	tttatcttaa	ggaaaaaata	aaaaattcag	43500
atgaaacctt	atccccctag	atgtttatca	agacactatt	ttttttttcc	agggggtgcg	43560
atcttgctct	gttgcccagg	ctggaataca	gtggtgtgat	catggctcac	tgcagctgga	43620
acctcccagg	ctccagcaat	cctccacact	cccaagttag	tgggatcaca	ggcccgcgcc	43680
accgcataatg	cccagctatt	tgtatttttt	gtagagacag	ggtttttgcca	tgttgcccag	43740
gctggtctcg	aactcctgga	ctcaagcaat	cctccgcct	cagcgcctgg	cccaagacac	43800
tttttttggt	tttttttgag	atggagtctt	gctctgtcac	ccaggctgga	gtgcaatggc	43860
acgatctcgg	ctcaccgcaa	cgtctgcctc	ctgggttcaa	gtgattctcc	tgccttagcc	43920
tcccaagttag	ctgggattac	aggcacccat	taccatgcct	ggctaatacca	agacactatt	43980
tataagaaaa	cctagaacca	gtctacacat	ccaatagtga	ggaaatgatt	agatgaatta	44040
cagtacatcc	acaagatgga	ttactaaaca	gacattggca	tgatttatga	agagtgttta	44100
atgtttacaa	agagctttta	atgatgtgga	agatggtgg	ataataagta	ggaaaaaact	44160
ggttataaat	gataccacaa	tatgatgtca	acgatgaaaa	aatgcacaaa	aaaagacttt	44220
tttaaaacgt	cgaaacatca	gagtgggtctc	tagttggagg	aataattttt	ttttttttta	44280
agacaaaactt	cttcatactt	tttgtaactt	taaaatgatt	tactatgtac	atggattact	44340
tccataatca	agaaaaaaa	taaaaacttt	taaaatgctg	tgaacgtgg	ttccattttt	44400
attttctctg	atgggtgact	gcacatcagc	atcttgagtt	atgctaacta	cttaggctgg	44460
tcacgacaca	cacacacata	cagagaagtc	acacaggctg	taccgggctg	gctgttgcaa	44520
atgtacatga	attacacggg	ttgaagtgt	ttggcagcta	gttaacatat	gccacccaat	44580
gacgggacac	aatctgggtca	cacgtgcct	ctcctgcctg	ttgctgttct	ttacaaaggt	44640
ccgtgtgtcg	ggctggcaaa	gtggcatcct	gctggcatct	ctgtgggtggc	cccggaatgg	44700
tggagtgcc	aggtcagcat	ctactctggg	tcccattctc	aactgctctg	gccttgacat	44760
cagagcttcc	ggttccctgc	tggctcttct	gcacactgga	tccatgccag	tccaggcccc	44820
ctccaggcac	acacctgagg	cagactgaga	gcacaatgga	cgctgtcctg	atgtgaactg	44880
tgcccagaca	caggatgggg	ggaagcggga	gatgtgacca	cgacaccaca	cacaagctcg	44940

atcttttacag	atggggccctc	tgggactgct	atatgggtgg	tgcccagagag	acacggggggc	45000
catgtggagc	cctccagggc	acagttgctg	ggagaggaca	gacgggaggg	gacctgtgcc	45060
catgtgccta	gctctgagag	cagagctagg	aggggtggatg	gggaacgtgt	ccgacatggg	45120
gctagattgt	tgagaagtca	cgactacaca	cagctgggga	gcatgcccc	ctcccagttc	45180
attcacacgg	tgggttagat	acagctagag	agaagtggag	atatgctttt	ttgagggagg	45240
acctttcctg	gtgtttggat	aaacagttag	acagactcct	gggttcggca	tgctctgggg	45300
aggaccatgc	gacggtgaga	gactccctac	tgctacactc	tgtacagggg	ggccaggccc	45360
gcctgcccgtg	cccatggcct	ctgggtgacag	tcacgggctt	gccttcaacc	ccttctgcct	45420
tggagagctc	ttggggccccg	gtgaaatggg	ggctataaaag	acaagagggg	gggggggggg	45480
ccccatggcc	cagggcaccc	cagctggggg	ctacatgatg	ttgcactggg	tgcccccgca	45540
acaatccttg	atcagtgccca	gccccgtcct	ggccaccgtg	ggcttgctag	gtgggggctc	45600
tgctttcttc	tctgcccggg	agcctgcagc	aagatgtggg	cacagggaga	gggggagaaa	45660
ggaacagaga	gacagaggtg	aggtgagcag	agccctgacc	atctgcagcc	cagccccact	45720
gcaacccctg	gccagggtcct	gttccaggcc	ttgttcagggt	ggtatggaga	gctgatgcac	45780
atctcatatg	atcctcagct	ggtcctcatt	ttatagtcct	cattttatat	ggtcctcaat	45840
gctcagcttc	caaccctaac	tttcagccct	tctcctagtc	agctgttatc	atcattgtac	45900
ctgccaaagg	tagcacaggg	cctgacatcc	aagaagtatt	tggtaaatag	ataaatggga	45960
aattttgttc	aagtcacttc	aatctgaggg	ctcatatttt	tcaatttttg	aaaatgctca	46020
tacattgtct	tttcagatac	ctccacctcc	cattctctgt	tttatctcct	agaatgccta	46080
tcacatgtaa	gttggacctt	ctcactctat	cctctcggtt	ttataacttc	tctttcatat	46140
ttctcatctc	tttttctcct	tgtgctgcat	tctgtgtaac	tttctcaggg	ctgtcttcca	46200
atgtataaat	tctcccttca	gctgtgtctc	tgtatttaat	ccattgagtt	tttactttat	46260
tgataaaaaa	aaatttcaga	aggccagttt	tttgcatgtc	tacttattct	tttttcatag	46320
catcttacta	tttcattttg	ggttttattc	cttctcttag	ctctttgatc	atttaaaagt	46380
acttagttta	ttttcctttt	taaatagttc	tatatatttt	gttcttggga	ggacattctc	46440
tttggtgcat	ctactgattc	tctcatgggt	gattcagttc	ttcatgggtt	tttcttttct	46500
tttcttttct	tgagatggag	tctcgctctg	tcaccagggc	tggagtgcag	tgggtgtgatc	46560
ttggtcactc	gcaacctccg	catcctgggt	tcaagcgatt	ctcctgctca	gcctcctgag	46620
tagctgggat	tacaggtgtg	cgccaccatg	cctggctaatt	ttttgtactt	ttagcagaga	46680
caagggttca	ccatattggg	caggctgggtc	tcgagctcct	gacctcatga	tctgcccacc	46740
ttggcctccc	aaagtgtctg	gattacagac	ataagccact	gtgcccggcc	gggtttttca	46800
tttttattga	gggtcatctc	tcaagggggt	tgcttttttc	tgtgagaata	ctgtatacca	46860
tgggatccag	aagaatccct	actgagcagt	tttgcatatt	ctaaatctgc	taggatccca	46920
gagatttcac	tgggtttaca	atagttttta	tttttcaact	tgggaattcca	gtaccagatg	46980
agtagtgtaa	agttggcccc	ttgcatgtgg	tgcatgcttg	gtgttttgat	ttctcgccag	47040
aatcatttct	tttttccacc	cataatccaa	tagagaaggc	aagtttcctt	gctcctcctc	47100
catgctgcta	agtggagttt	ttctaccttg	cctttcatga	aagggtccac	tgaggatgct	47160
ggccttcggc	agtgatcacg	tgctttgtgg	ttataggagc	cagcagaaga	gatcattgcc	47220
cttctctttc	cttactccct	ccaaccatct	ttcacaggat	gttaatgaaa	actgggtttg	47280
tagttttata	gacagtggca	gcttttggtt	tttgtcttcc	cagcaagatt	tcaagtcctt	47340
cttctcttaa	cagctcatgt	ccctgtgggt	gcaggagtgg	gcatgttata	cattcctggc	47400
caatcccagt	acccccagcc	tcttggtgat	ggtaatggat	ctaagaggtg	ggaacataat	47460
cccagaaggg	cgggtgagaa	tatttccctg	agacttatgt	atttcgatac	cagggaaaag	47520
aacctgtggg	attgcttcag	agttgctaag	ctatggttct	agggttctgg	tcccatggag	47580
aaggcctgtg	ttgtaggaaa	aaatgatgct	tacatgcaaa	gagaggcaga	gatgagaaaa	47640
agaagaaaaa	gaggggaggt	aatagtgttc	agtccttgag	gctctagttc	ttgttgctct	47700
ttctccaaca	aattcctttt	tttgcttaga	ccagtttgaa	ttgggcatcc	atttcttttc	47760
tttcttttct	tttttttttt	ttgagatgga	gtcttgctgt	gtcaccaggg	ctggagtgtg	47820
gtgggtgtgat	ctcggetcac	tgcaagctcc	gcctccccag	ttcacgccat	tctcctgcct	47880
cagcttcccc	agtagctggg	aatacaggcg	cccaccacca	agcccggcta	attttttgta	47940
tttttagtag	agacggggct	tcaccgtgtt	agccaggatg	gtgtcgatct	cctgacctgt	48000
gatccgcccc	cctcggcctc	ccaaagtgtc	ggcattacag	gcgtgagcca	ccgcgcccag	48060
ccaggcatcc	atttcttcta	actgaaagag	gcctcactaa	tacagcagtt	aaacacattt	48120
gagaaacgct	gggtcaacaa	agaaaagaca	gtttcttgac	agcaggatcc	atcatcactt	48180



tatatccta	atggacactg	ggactctcca	aatacagggt	caagtaaaca	gcatttctca	48240
aacttatttc	atataaaaac	ctctttgctc	tgaggatctg	atgagggttaa	tattctgaga	48300
catatgcttc	tggtctctcc	agagattcca	gacctaaagag	aggccagagc	tccctgagcc	48360
tcagtagcta	cccaattctt	tctatgaaat	gcaccaaact	ttgcaattag	ggaggaacaa	48420
ctaccaggac	caggtagcta	gtttgcagag	ttcaatccaa	tatgaaaatg	tagggcccca	48480
tgttccaaac	gtattaacaa	tttctagaca	gcaacaggag	aacattaaac	caagcatggc	48540
acccttctag	gcatgaggcc	ccaggcaact	gcctacaggc	ccatgaggct	ggtcaggcat	48600
gaggccccag	gcaactgctt	gcaggcccg	gaggctggtc	ctgcctgctg	tcatcccatg	48660
ctgaaatctg	atctctagat	ctgatctcta	gaaagcattt	tgttgcgccc	cttatggctc	48720
ccagacttct	ctgaaatggc	cttttttttt	tttttttttt	ttgagacaaa	gtcttacctt	48780
gtcaccagc	ctggagtgc	gtggcccaat	ctcagctcac	tgcaaccccc	acctcccg	48840
ttcaagcaat	tctcctgctt	cagcctctcg	agtagctggg	atctcagggtg	tgtgccaccg	48900
tgcccagcta	atctttatat	ttttggtaga	tacggggttt	caccatgttg	accaggctgg	48960
tctcgaactc	ctgacctcag	gtgatccacc	caccttggcc	tctcatagt	ctgggattac	49020
aggcgtgatc	cactgtgggc	ctggcctgaa	atatactttt	ctctttttgtg	ggggaggggga	49080
atgaataatg	tataactca	ctggctggag	atctgtttac	tttgtctaga	ggttttaact	49140
tgattctcag	gaaatcagcc	atctccttgt	cttcttcttg	ctccctgtga	aagtagatgg	49200
gtaaaagaaa	agaagataca	cagcaagcaa	ggaaagcatc	aaggaaccaa	tgaataaac	49260
caataggtta	agcaacaggc	tttgtggatg	gggcatgtat	gttgtcacgt	gttatgcgtg	49320
tacagtatgt	atatgttgta	tctggtgaac	ctgctctgaa	ccagagacac	atatcaatga	49380
tggggtaaat	gcttaccag	aggtaggtat	gtgaccccag	ggcagaggca	gggacattac	49440
aggacctgc	tgggggggtc	gtgagtgagg	cagcacctct	cctgaccttg	tattttgaag	49500
ccacctatt	cacctgtgct	cccacaaagt	atgaggcagg	tctcagagag	cgagtcaccc	49560
cagctcttcc	aaggatcac	aagataaagt	agggtgggtg	agacttgctg	aactgccttg	49620
aagagacacg	gtctttcttt	gccacccagg	ctggagtgc	atggtgcaat	cgtaactcaa	49680
gaagccttga	actcctgggc	tcaagagatc	ctcccacctc	agcctcccaa	gtagctgaga	49740
ctacaggagc	actccaccac	tcttagttaa	ttaaaaaaa	aaattgtaga	gatagggggg	49800
tctcactatg	ttggggcagc	ttgtctgcct	gcccacagact	ggcattgata	atctcttcta	49860
gatctggaag	cagaaccgga	ggtaaggaga	atataatatt	tgttgtagtt	ttctgtattt	49920
tttgttttgt	tttgtttttg	agatggaatc	tactctgtc	accaggcta	gagtgcattg	49980
gtgcaatctt	ggctcactgc	aacctctgcc	tcttgggttc	aaatgattgt	ttctgcctc	50040
agcctcccaa	gtagctggga	ttacaggcat	gcaccaccac	gcccggttaa	ttctgtagt	50100
tttagtagag	acgggggttc	accatgttgc	ccaggctggg	cttgaactcc	tgacctcagg	50160
tgatccacc	accttggcct	cccagaagcg	ctgggattac	aggcgtcagc	cactgtaccc	50220
gaccatagaa	tataatattt	ggataggagg	gaaaagtgtg	tttctctcat	taaccagaag	50280
tccattgcag	catgaagaag	ggcagtggaa	ctgctagtcc	caggaccctt	gaagaaaggt	50340
ctctgagaac	acagacaata	aagagcaagt	tgcctctgg	gttggaagg	cctttttcct	50400
tgtgaaaggc	cctaaaagct	ttgctctggt	gtaaggaaac	aaaaatcaag	aaccaacatg	50460
tacagcttct	cacattttca	acattttaca	catgttttta	cactgcagct	ccagggtgt	50520
ggttgtcgag	gtcaaggcag	cagatgcaaa	gagaagaccc	tgatacttag	aaaagggcct	50580
tggcgccact	aaggggaagg	gaaaggggag	aacaaagctg	ggagggtggg	aggacagagg	50640
ttgggagcaa	gtcagttcag	gtggcagagt	ttcggtagaa	actgatagca	gaagtttcaa	50700
gacattgcct	tcaggagtga	caggatgtga	aggaagctct	gccatgtatt	atgggatgtg	50760
actcctccct	ggtcacttcc	tggacaacaa	ttccctcaag	aggcacagat	ttgaaattct	50820
cttatataca	aatgaattc	tcaagccaga	aggctgggg	tcttgggat	tcagtgtcca	50880
gagactgtgg	atcaaggcca	tgctgttag	gcaaggctgt	gagtcccagg	agcagaagat	50940
gggttctgga	aggaagcaga	aggttgctgt	cctgcagccc	agtgatcggg	taccgcagt	51000
gcactcacct	taaccgctcg	acctccgat	cgtccaccag	gaagtctctc	ttctgcacca	51060
gtttgtggat	cttctggatt	agctcatcct	ctctctgctt	ctgcagtttg	gttttttctt	51120
tttctggaaa	gaagacatca	acaaggagac	agatgagcat	tttgggaggc	tgagggtgggc	51180
ggatcacttg	aggtcaggag	tttcagacca	gcctgggtcaa	catggtgaaa	caaccccatc	51240
tctacaaaaa	atacaaaaat	tagccaggcg	tgggtggcaca	cacctggaat	tccagctact	51300
cgggaggctg	tcagccacca	cctcgggagg	cgggagaatt	gcttgaacct	gggaggcgga	51360
qgttgcagt	agctgagact	gcgccactgc	actccagcct	gggcaacaga	atgagacttc	51420

atttcaagaa	agaaaaaaaa	aacaaaaaat	tacagagaga	cagatgagag	ggtgaccact	51480
aaaagcactt	gagctggccg	ggtgcggtgg	ctcacacctg	taatcccagc	actttgggag	51540
gccaaaggtg	gcggatcacg	aggtcaggag	atcgagacca	tcctggctaa	caggggtgaa	51600
ccccgtctct	actaaataca	aaaaattcgc	cgggtgtggt	ggcgggtgcc	tgtagtcca	51660
gctactcggg	aggctgaggc	aggagaatga	catgaacctg	ggaggtggag	cttgcaagtga	51720
gctgagatcg	caccactgca	ctctagcctg	ggtgatagag	cgagactctg	tctcaaaaaa	51780
aaaaaaaaaa	gcacttgagc	tgagcggcca	ggattgattg	gagacctgac	tctgcccttc	51840
caccctctgg	atgaacttgg	agaagcaact	tgacctcttc	aagcttcagt	tttctcatct	51900
gtaaaataca	cagtgaggct	taaaatggga	gtaatgggct	gggcatagt	cctgccacct	51960
gtaatcccag	cactttggga	gaccaaggca	ggaggatcac	ttgaggccag	gagttcaaga	52020
ccagcctggg	caacatagtg	agaccctcct	atgtctacaa	aaattttctc	tgtaaattag	52080
ccacatgtga	tggagtgttc	ctgtagtctc	agctacttgg	gaggctgagg	tgggtggatc	52140
tcttgagccc	aggagttcta	ggctgcagt	agttatgatt	gcaccattgc	actccagcct	52200
gggtaacaga	gaaagaccct	gtctcttaaa	aaaaaaaaaa	aaaattgaga	gggcaggggtg	52260
agtgtgggga	gggagagcat	caggaaaaat	agctaatagca	tgctgggctt	aatacctatg	52320
tgtcgggctg	acaggtgcag	caagccacca	tggcccacgt	ttacctatgt	aataaacctg	52380
cacatcctgc	atactaaatt	gcatacaatt	ttgaaatgca	gtagtgttag	taaatggctt	52440
agtggagtgc	ttggccttgg	ctgagagcct	tcagtaaatg	gtcatgacaa	agccaggggtc	52500
ttctgcaaag	gcaggggggtg	aggagagggt	cagatagggg	tgctgggagg	gaactagttg	52560
tttttttccc	tttggtgaag	gtaaaccaat	ttatcagaag	aaaatcatcc	atgccaatga	52620
cactaacctt	gtcccaaaca	ccaagtgtca	ggatgccaaa	gagaaaaaat	aaaaaaaaaga	52680
gagagggctg	aagatgagg	ttgagaaaat	taagaggcaa	aaacttaaac	ccacttgggc	52740
tctttctgct	caaatccctt	cagaataaaa	aagtgtggac	agcttgtctg	cctgcccacg	52800
actgacgttg	atcatttttt	ctggatctgg	aagcagaacc	aggggttaagg	agaacataat	52860
atttgatag	gacagaaagt	tggtttctct	cattaaccag	gagtccacca	ctgcacgaag	52920
aagggaata	ggcttgccag	ccgctcccca	ttcccagcca	ttggtgcatt	ggatgatggt	52980
gtcactgtct	ctgcctgtgt	aaatcttgtg	ggttgggtct	gattcccca	atcactcgtc	53040
agcaccgcag	agccgctccc	tgccctctcc	aagcacgcac	caacacccat	cgactcacca	53100
ggacccttgc	tcactcagga	gctcgtgggt	tgactttact	ctccaaataa	ccattgacag	53160
cactctgaca	ttcccaagt	ccctccactg	ctctctagat	cttagccaga	atcacccaac	53220
aaatggctgg	gcccccaaca	tctgcaaacc	tctgtctcca	agccattcat	ccatgtgttc	53280
tgtcactcac	caatagaggc	attcccagc	ctcagctgca	gcaactccca	ggagaaacca	53340
cctactcaca	caagtggcct	gcgtcagctc	acagacctat	gactagccca	agtctccaag	53400
tcattggcca	atgctgctca	cgtgcgtgtg	tgccacatac	ctttcccatc	atcttccact	53460
tgcttacagg	tgccaccac	tgaaatccta	acctccatgg	tcatagtatt	aagaaatgag	53520
gcctttggga	agtgagtga	ttatgaagg	agaacctca	tgaatggaat	tagtgccctt	53580
ataaaagaga	cccaaggag	cttgtttgcc	ccttccacca	cacaaaggca	cagtgagaag	53640
gtaccatcta	taagggaacag	gccgtcacca	ggcactgtat	ctgccaacac	cttgatcttg	53700
cacctcccag	cctccagaac	tgtaataaat	gttgtttaca	agcccccggt	ctagagcaag	53760
ccacagagac	taaggcaccc	ccaaagttca	tgtgtgccct	atttggaat	agttttcccc	53820
agtttatatc	tcttctattt	ggaaatactc	tatttccaaa	gtaatttgta	agttgctttg	53880
cacatgtaat	tataatagtt	aagctaaaat	gaggtcatac	ttattagcat	ggacctaaa	53940
cccaatgact	tgtgtcctta	tgagaagagg	aaagagacct	aagcatgggtg	gcctgaacct	54000
gtaatcccag	ctacttggga	ggctgaagca	ggaggatcac	ttaagcctgg	gagttctaga	54060
ccagcctggg	caacacagcc	agaccctgtc	ttttagaaaa	aaaaaaaaaa	aaagaggaga	54120
agagaagaca	cacagacaca	cacagggtca	cgtgaagatg	gaggcagaga	ttgaagtgg	54180
gcaaccagaa	ggcaagcaat	gccaaagaat	gtgtgtgtta	ctgttagagt	aggtagccag	54240
gcagccatga	gcaagaaagg	agaggggatt	tcccccccaa	ggaatgccag	gcaaccatca	54300
ggtgatgtca	ggcagttgtt	aaaattgtct	ctctaaaata	ataattgggtc	acagctgggtg	54360
ccagggaaag	gccatctccc	aacagacaga	aaacacctga	agttatcagc	ggtttcccg	54420
tgagatctca	ggagttgggc	aactgggtct	aagcatgcac	attaagaggc	aaaatggcgg	54480
agtctaactg	gtatatgacc	ttcctctagg	aacactcaac	tggtgaggga	aaaacatctc	54540
aaataatcag	gcccagact	tctgtaataa	cactgtgttt	gcagcctctc	ccaagcgctg	54600
gcaggccact	gcgcagtcgc	acaacctgcc	ctgagggaaa	atgaaggagg	gagagacata	54660

aaaccctgga	atatgccaac	atataaaaacc	ccggaacatg	ccaacatata	aaacccccaaa	54720
tcaaaggtca	agcgggtgcac	ttggatctct	caaatacacc	acttggccgt	cttccaagtg	54780
tcctttactg	cctttcattc	ctgctctaaa	acttggtaat	aaacttttgc	tccttctcta	54840
aaacttgcc	cgggtctctca	ctctgcctta	tgcccgtg	tggaattatt	tcctctgagg	54900
aggcaagtat	caagttgctt	cagactcgta	tggatttgct	actgctaata	atacaggagt	54960
gaagaagaaa	ttatttaggc	agatagggtta	aggaagtcct	cggtaagggt	ttccttttaa	55020
tgaaaagcaa	cccccaaata	attttctttt	ctaacaagga	gcagccagta	aaatcgagct	55080
gtagacatag	tcaaggggagc	tggaagctta	cacgggtgaa	tgctggcagc	tgtgcccata	55140
ggaaaaggcc	acctgggtcta	ggtatgttca	aaatggcgcc	tccacgctcc	cttctctttg	55200
ccagccatgt	gtacagtaag	gagaagacaa	catggcgccg	cccaagtggg	aagttcattt	55260
gcatgataag	attaggggtg	ggtggccagc	cttcccagtc	actatgcaaa	cgtcacacct	55320
gctccaacca	atctgtgggc	cctatgtaaa	tcagacacca	cctcctcaag	cttgtctata	55380
aaatttggtg	cagtctgcca	caggccggaa	ttcccattca	gggacttctc	gagagagacc	55440
gagagagctg	ttcccttttc	tctttctttt	gcctattaaa	cctccactcc	taaactcact	55500
cctctgtatg	tcagtgtctg	tgtccttaata	ctgcttggag	agagacaacg	aaccttgggt	55560
atttacccca	gtcaacaaca	ctacttcact	aacactacca	gaagctaaga	ggcaaaggag	55620
tctcctctag	agccttagca	gggaacaagg	ccctggtgac	acctcgattt	tggatgtctg	55680
gcctccagaa	ccgaaagaga	atacatccag	aaccgagaga	gaatacattt	ctgttgctta	55740
agccatccag	tttgaccacaa	tttggttaggc	agctctggga	aatgaatgta	atgccctagg	55800
gcttcaggag	actccactgt	ccttccagta	attgtttgtt	ttgtgcttac	ataagcttgg	55860
atgggtttct	gtacctttca	gccagactaa	tccctggaga	attgtgaaat	gagagagggg	55920
aacaggcctg	gcggttcccta	accgtccctg	cttatcacaa	tcaggtgcaa	agctttaaaa	55980
attgccaatg	ctcggttagg	cgcggtggct	cacacctgta	attccagcac	tttggttaggc	56040
cgaggcgggc	agatcacgag	atcaggagggt	tgagaccatc	ctggctaaca	cagtgaacc	56100
cagtctctac	taaaaatata	aaaacaaaat	ttgccgggca	tggtggcggg	cgctgtagt	56160
ccagctact	caggaggctg	aggcaggaga	atcacttcac	ttgaaccccg	gaggcgagga	56220
ctgcagtga	ccagatctc	gccactgcac	tccagcctgg	gtgacagagc	aagactctgt	56280
ctcaaaaaaa	aaaaaaaaaa	aattactaat	gctgagatgg	atcagggtgag	gcaggagaat	56340
atggtctgga	ggcagggaac	ctagggccaa	cttcctagaa	ctaaatcaaa	agaaaaaccc	56400
caactttcca	cacataagta	acaaaaggac	tggaggctac	tccttttgca	aacctctctc	56460
cttttctgtg	tgtcacatga	gaaattgaaa	gtatatctga	ttggctcgag	aaagcaactg	56520
caaaagcttt	ctgcgaccaa	tcagactaat	tgtggggcac	tacttcattt	acataggggtg	56580
tacaccaagt	agccaacggg	aaacctctag	agggatttta	aacctcagaa	aattctgtat	56640
tggggctcct	gagcccctat	gctcaggcac	actcccaccc	tatggagtgt	actttcattt	56700
tcaataaatt	tctgcttttg	ttgcttcatt	ctttcctcgc	ttattttgtt	tgtgtgtgca	56760
ttttgtccaa	ttctttgttc	aaaacaccaa	gaacctggac	accttccacc	agtaacacag	56820
ggactccctt	ttgggggtctg	tgggagaccc	ccaccccaag	catggaaata	aaggaaaatc	56880
ttgagttccc	tcaaaggaaa	ttctaggcac	ctagctagcc	ttgaaaagtc	aataagcaac	56940
ttatcagtaa	gaaggtaata	gtagcctaaa	acaatagcca	aggaagttag	aatctggaga	57000
tgttttgttt	tctatagaaa	ctgaagataa	acatcttagc	atatatgtct	gagttgtttt	57060
tcagaaaccc	aggaccctac	caaattggatc	cactggcata	tagacgtcag	ataaagggaag	57120
actaaggact	gaattctgac	catctttcct	tgttctaaat	gtcttccaga	gaggcctgga	57180
gggagtcaca	cccatgggccc	agggatgcca	ttcttttctg	ctgacccccc	atttttatta	57240
tttttattta	tttattttatt	tgaggcagag	tcttgccttg	tcgcccaggc	tggagtgcag	57300
tggcacaaatc	ttggctcact	gcaaccccc	tctcccgagt	tcaagcaatt	ctcctgcctc	57360
agtctcccga	gtagctggaa	gtacaggcag	gcgccaccac	acgcggctaa	tttttgtaat	57420
tttagtagag	acgggggtct	cgcctagtgt	gccaggctgg	tctccaactc	ttggcctcaa	57480
gcaatctgcc	cacttcggcc	tcccagggtg	ctgggattat	acgcgtgagc	cactgcacct	57540
ggccttgacc	cccgatTTTT	aaacaaagct	tctcttccct	aaccaattgc	aaattagaaa	57600
atctttcaat	ctacctatga	cctgtgagcc	ccagcttcaa	cgtatgcagc	ccttttaggc	57660
caaaattgat	atgtaatctc	aatgtattga	tttacaattt	tgctgttaac	ttctgcttga	57720
ctgaaattta	cccctgcctt	taaaaacctg	cactgaaatc	gccattgcaa	aattataaga	57780
gacagtga	gagatctgac	ctaatacaact	ccatcttgct	tctaacctcc	aagctgtcct	57840
tgttcattac	tgggcatagg	ctgaactaac	tatgggagga	acttacttta	tcatttaaaa	57900

caaagacgat	aacagccttt	tcccaaaaca	aactcccttc	ttgcctggga	actagactgc	57960
atttgtaggt	gatacgggta	ggcttttgt	cgccacccaa	aactcatctt	gaattataat	58020
ccccatcatc	cccacgtgtc	aaaggagaga	ccaggtggag	gtgactgaat	cacgcaggca	58080
gtttcccat	gctgttctcg	tgatagttag	cgagttccca	tgagatctga	tggttttata	58140
agggttgggc	agttcctcct	gcgttcattc	tccttcctgt	caccttgtga	agagagtgcc	58200
ttgcttctcc	ttcaccttcc	accatgattg	taagtttcct	gaggcttccc	cagctatgcc	58260
gaactgtgag	tcaatgaaac	ctctttcctt	tataccagct	cttgggcagt	tcttgacagc	58320
agtgtgaaaa	tggacttaac	aaattaacca	gaagattagg	aattatgata	gtgagtgaat	58380
tccatgagat	ctgatgggtt	tataagggtt	gggcagttcc	tcctgcgttc	attctccttc	58440
ctgtcacctt	gtgaagagag	tgccttgctt	ctccttgacc	ttccaccatg	attgtaagtt	58500
tcctgaggct	tccccagcta	tgccgaactg	tgagtcaatg	aaacctcttt	ccgttatacc	58560
cagtcctggg	cagttcttga	cagcagtggt	aaaatggact	taacaaatta	agcacaagat	58620
taggaattat	ggtttaggaa	tcatgcagct	ggaggctaca	agatgctgac	cctccccaga	58680
ttactcctga	agataacacc	actattgtaa	aaaccaagat	caatgcttga	ggtattttgc	58740
agaccgtgca	cttgatgggt	cagtgggtac	caccagata	aagtggctca	tctgaccttg	58800
tggccccaac	ccaggaactg	actcagtgca	agaggacagc	ttcggctccc	tgtgatttca	58860
tctccgaccc	aaccaatcag	cactccattc	tcactgcacc	cccaccccca	tccaccaa	58920
cgtctttaa	aactctgac	ctggaatgct	caggggcact	gatttgagga	ataataaaac	58980
tccagtcctc	ctcagccggc	tatgcatgaa	ttactcttcc	tctattgtaa	ttccccagtc	59040
ttgataagtc	aggtttgtct	aggcagaggg	caaggtgaac	ctggttgaca	gaacattacc	59100
tataagccat	tgaggaggtc	aggcttgaag	cattagctgc	ccagtcctcc	tggcttgagg	59160
ccttgcaaat	aaactgtttc	ctttttacca	ctgcaaaaac	tctggggaga	cagctgggtc	59220
tactgtgcca	ggaaagcaga	ccctagtgtg	attagtcct	tttcacgctg	ctgataaaaa	59280
cataccgcga	actgggta	ttataaagaa	aaagaggttt	aatggactca	cagttccacg	59340
tggctgggga	ggcctcaca	tcacggcaga	aggcaaaagg	cacgtcttac	ttggcagcag	59400
gcagcacaga	aaatgagaat	caagcgaaag	gggaaacccc	ttataaaacc	atcagctctc	59460
atgagacttc	ttcactacca	tgagaatagt	atgggggaaa	ctgtcccca	tgattcaatc	59520
atctcctact	gggtccctcc	cacaacacac	ggggattata	ggagctacaa	ttcaagatga	59580
gatttgggtg	ggaacacagc	caaaccatat	cacaagttga	gttctattac	aatgccagag	59640
tccaaagcca	acaatgccag	atcaattgca	ttggggtttc	tagtgggtgg	agaatagact	59700
ttggtacttt	tccttcattc	cttcgttgtt	ttatgtttga	catttaactt	tttttggtaa	59760
cagctttatt	gcaatatgat	tcacatacca	tgcagttcat	ctgttccaag	tgtatttgca	59820
gagttgtgca	accatcacca	caatccattt	tagaacattt	taatcacc	cagaagaaac	59880
cccataccca	ctagctgtcg	ctctctttca	actaggaaag	tctattcact	cgtttatcct	59940
tagggcctac	acagtgtctg	gcacctagta	aatgctcacg	aaagctagag	gattcagttc	60000
tactgtcatt	gcgcacacta	cccttacaac	aagactgtgt	ggaagactcc	tacaccttgc	60060
ctttgttatt	tatgggatat	tcacaacaac	catgcggggg	gtagtattat	tggcctcatt	60120
ttcccaacaa	ggaattcaag	gctcagagaa	attaagtgcg	gaactttcac	gaagtccacc	60180
tgctgtctaa	ggctgaattc	aaaccagat	tgctgcactc	taattactaa	agtagtagtt	60240
cttatgtggg	agctgtaagc	tgcaaagtgt	ctgagaaggt	ctcaatcaat	ctggagggtt	60300
atthttgccaa	agtcgaggag	gcacctggga	aaaagagaca	caggcagcaa	taggatcccc	60360
ggcctgtgct	tttttctgca	gaggatctta	aggacttcaa	tatttaaagg	ggaaagagag	60420
ggcaggaagg	ggaggattgc	attctctggc	cctcagtgaa	tttgcatttt	acataggata	60480
aaggaaacgc	ggagtagagg	aggaagtcaa	atgtgcattt	gtctccgggt	gggcggaggg	60540
acgatgattt	atagtcttgt	cttagtcccc	tacctgttag	gataagctgt	taatttacat	60600
tgacagggtg	agggaggccc	ctgggaagat	aggtggcctt	tctatcttgc	agctatctgt	60660
ttaggaaaaa	aagaaaggca	gttttggtcg	ggtgtggtgg	ctcacacctg	taatcctagc	60720
actttgggag	gcttgagggtg	ggtggatcat	gaggtcagga	gatcgagacc	atcctggcta	60780
acacggtgaa	acccacctc	tactaaaaat	acaaaaaatt	agccgggcgt	ggtggcaggt	60840
gcctacaggc	tcccagctac	tcgggagact	gaggtgagg	catgaacc	ggaggcgga	60900
cttgctgtga	gcagagatcg	cgccactgca	ctccagcctg	ggggacagag	cgagactccg	60960
tctcaaaaaa	aaaaaaaaaa	gtaggttttt	gtatgactca	tagttcccaa	gcttaacttt	61020
tccttttggg	atagtgaatt	ggggtcctgg	gactttattt	tcctttcata	gggcaatgtt	61080
gcacaccccc	ctgacctcgc	ttgggggtaca	ttcagcaaca	tctgtacatc	tatagacatt	61140

tttggttgtc	actgtcagaa	gggtttgaac	tacagtgact	ccatcttgaa	taggggctgg	61200
gtaaaataag	gctgagacct	actgggctga	atgccagga	ggtaggcat	tctaagtcac	61260
aagatgagat	aggaggctcg	cacaagatac	aggcacaaa	gaccttcctg	ataaaacagc	61320
attagtaaa	aaggctgcca	aaaccaccca	aagccaagat	ggcgatgaaa	gtgacctctg	61380
gtcgtcctca	ctactcatta	tatgctaatt	ataaggtatt	agcatgctaa	gaggtaactcc	61440
catcagtgcc	atgacagttt	acaaatgtca	tggcaacatc	aggaagttac	cctacatggg	61500
ctaaaaaggg	gaggaaccct	cagttgtggg	aattgccac	ccctttccca	gaaaactcat	61560
gaataatcta	ccccttggtt	agcatataat	caagaaatag	ctataagtac	aatcaatcga	61620
ggagcccaag	ctgctaccct	gcctacagag	tagccattct	tttattcctt	tgctttctta	61680
ataaaacttg	tttcacttta	cggactcgcc	ctaaattctt	tcttgctctt	ggtccaagaa	61740
ctttgggggtc	tggatcagga	tccctttcag	gtaacatcac	cattgagggg	tagcggagag	61800
gtacgttggtg	ctaattggcct	gtagtgggta	gaggccaggg	atgaaactca	acatcccaca	61860
agacacaaca	cagagccccg	tacccccaac	aaaaaatgat	caaccccaaa	ggaagatact	61920
gacatttggtc	aacccccaaat	gtcaatagtt	gaaggttggg	aaacgctgct	ttaaggctca	61980
tcatgtgca	cttgtagctc	agtaagaact	gccacttatg	ggcaccact	gtgtgctggg	62040
cccagtcctc	ttctgctaac	ctgggggctc	cttgagagt	gagaaccgtt	ctctgttcat	62100
cactgcaagc	ccggctccta	ggttcagagc	ttgctgcaga	acagcctctt	gggacatagt	62160
tattgaaactg	acagcatggc	aaaaacattc	aagtcaaggg	taatgggtggg	tgcttatctg	62220
gcctatattga	aaacaccttt	gcaaaaatga	taacagttag	aaaattagga	cagtgaagg	62280
gatctgatct	aaccaacccc	catcttgctt	ttaacctcca	agctgccctt	aatcattccc	62340
aggtttaggc	catgctagct	ttgggagaca	tttagtttat	agtttaaagt	attataacct	62400
tttccaccaa	ctaaactgcc	tttgtaaagc	taataaaagg	ccccatggt	agaaggatgg	62460
gaggaggctg	aattctgcta	agggttagac	ataaatgact	actgccatta	ttccagaggt	62520
cacaagattt	gcaacttccc	caattactcc	tgcagataac	atcactattg	cagaatctaa	62580
gatcagcctt	ttgagatatc	tctttagggt	ttgcatttct	gatgaatgat	gatccacgtg	62640
gacctgccac	ccagaagtgg	acttagcacc	cctgagaatc	atctttcaca	cacctatgat	62700
tgcatcccca	accaatcagc	agcatccatt	ctgatatagt	ttggatgtgt	gtccccgccc	62760
aaatctcata	ttgaaatgta	ataccagtg	ttggaggcgt	ggcctgatga	gagggtgattg	62820
gatcatgatg	gagggtttctc	atgatgggtt	agccccatcc	tccctgggtac	tgctcctgtg	62880
atagttagtt	ctcatgagat	ttgggtctttt	aaaagtgtgt	ggcacctccc	gcctcactct	62940
cttgctcctg	ctctgggcac	gtgacatgtc	tgctcccttg	tcttccgcca	tgattataag	63000
tttctgagg	ccttccagca	gctgagcaga	caccagcatc	atgcttctgg	tacagcctgc	63060
aggactgtga	gccaattaaa	cttattttct	ttataaatta	ctcagttctc	tctttctttt	63120
ttttgagtgc	gagtctcgct	ctgtcaccca	ggctgaagt	cagtgggtgag	atctcacctc	63180
actgcaacct	ccacctcctg	ggttcaagca	attctcccac	ctcagcctcc	tgagttagctg	63240
gaattacagg	caccgcgcac	caccctggc	taattttcat	atctttacta	gagatgggg	63300
ttcacatgt	ttgccaggct	gttctcaaac	tccgaactc	aagtgatctg	ccctctcagc	63360
ctcctaaact	gctgggatta	caggcgtgag	ccaccatgcc	tggcctggga	ctagcatttt	63420
gataagggtta	agccccacag	agggcaacta	acacagcctg	atgggcaggg	gaaaattttt	63480
tggagaagat	gccaataaag	tcaggcatta	ttactacca	aatctgggg	gacttcaaag	63540
ttagagtttg	tacacacttc	atctgttccc	aagtaggata	ataatggtca	taattgctaa	63600
tatttactgg	actcttgagg	ccaaatatca	agctaagcac	ttagtttgca	tcatctcatc	63660
gatttttatg	atattttaatt	taattttaatt	atatattttt	ttgagacagt	gtctcgctgt	63720
gttgcccagg	ctggagtgc	atggcacaat	ctcagctcac	tgcaacctcc	acctcccaag	63780
ctcaagtgat	tctcctgcct	cagcctgcgc	gttacctggg	attacaggtg	tgtgccacca	63840
cacctggcta	atctttgtat	ttttagtaga	gatgggggtt	tgccatgttg	gccaggctgg	63900
cctcaaactc	ctgacctcaa	gtaagccacc	catctcagcc	tcctaaagt	ctgggattac	63960
aggcattagc	caccgtgccc	agcctcttta	ggatatttat	actcaatgaa	ttagacctc	64020
ttactattac	tagccaattt	ttagaggagg	agaaattgag	tctcagagaa	gtacagtgc	64080
ttgtccaagg	acaagaaggt	gaccagaatt	cactaggact	tgaaccagg	tcttctcgac	64140
tcgaagtgtg	gtttgacaca	tgcatgcagg	gagcactgca	ttgcaagaat	gaggctctgt	64200
cttccagacc	caggcgtaca	gatggggcag	gctgggggcc	cccaagcacc	tgtttagcac	64260
aaggtgaagt	tgcaaatggg	tacctgggat	ggcgaccaag	ttctgcagct	cctgcttcaa	64320
gtccatgatg	tccttgca	gctggatgtc	atccatcctg	gggaaacagg	acaccatcaa	64380

cagcaggtta	catcagcaga	gcattacgcc	ctgagcatca	cccggttaac	acaaagaagc	64440
tattaaaggt	gggttatctt	ttgaagaggg	catacatgct	cattgtagag	gttttccctc	64500
aaaaggaaaa	agccaaacac	tgctcaatta	tcccaccacc	tagaaatgat	cactgttttt	64560
tgtttgtttg	tttgtttggt	acagagtctc	actctgttgc	ccaggctgga	gtgcagtggc	64620
atgatctcgg	ctcaccgcaa	cctccacctt	ccgggttcaa	gcgattctcc	tgccctcagc	64680
tcccaagtaa	ctgggattat	aggtgcctgc	caccatgccc	agctaacttt	ttttgtattt	64740
ttagtagtat	ttttagtaga	gacagggttt	caccatgggtg	gccaggctgg	tcttaaactc	64800
ctggcctcaa	gtgatctgca	cacctcagcc	tcccaaagtg	ctgggattac	aggcataagc	64860
cgcgggtgcct	ggccatcagt	cactgttaat	aacacctcga	tagagctcct	tccagtcttc	64920
atgtgcctga	cttaggtttg	cttatataag	tgggttcata	tggcatattc	agtttcgttt	64980
ttcagctaaa	gtttacgttt	tttaaact	gcagaaattc	acaacataga	ggaaagtctc	65040
cctctgtcct	tcggagagaa	tcattgtcaa	cggtttagta	tgtattcctc	tggatttttt	65100
aaaaacattt	ttattttgaa	aatgtttaat	tttttatttt	ttatttttgg	agatagagtg	65160
tcgctctggt	gcccaggatg	gagtgcagtg	gcgtgatcat	agcttactgc	agacttgaac	65220
tcctgggctc	aagggatcct	cccacctctg	cacaaccctt	cccaacccca	gccccctacg	65280
gagtagctgg	gactacaggc	taatttttaa	acagtttttt	gtagagagag	ggacctcggt	65340
atgttgcccg	gctggtcttg	gattcctggc	ttcaagcaat	cctccacctt	cagcctctca	65400
aagtgtctggg	atataggtat	gagccactgc	accagcctc	ctccagattt	aaaaaaaaag	65460
cgtatgctta	taatatcata	tatgacacca	ttgttattgc	acaaaaattt	tttgcaattt	65520
gcttttttca	atttaataat	ctttaatagt	cttgatcatc	tttccatata	agtatatgca	65580
aatctccaca	tatttagtgg	ctgcatagta	taccattata	ttgatataca	gtcatctatt	65640
tttatttttt	aaattttatt	ttatttttat	tttttttaga	cagtctcact	gtatcaccca	65700
ggctggagtg	cagtgggtgtg	atcttggtct	accgcaacct	ctgcctccca	ggttcaagtg	65760
attctctggc	ttcagcctcc	agagttagcta	gtagctggga	ttacaggcgt	gagccactgc	65820
actcagctga	ttatacagtg	atctatttaa	ctataattta	tttaactatt	cccctattca	65880
tagacatctg	ggttggttcc	taatacatatt	ctaggataga	ttcatagaaa	tgcaattgct	65940
gggtctagt	gcattgaacac	ttacattgta	gtagggaattt	ccaaattgcc	ctccggagag	66000
atcatgtgtg	acattaccaa	cagtgtggcc	atgggggaca	gtgggtgctg	gctcctgtca	66060
tctcagtaat	tgggttgctt	ttgcaacct	gttttgcat	acacattata	attttgcat	66120
acacattatg	gttttggtgtg	tgtgtacaa	aaattaactc	atcttgctgt	aaacaatatt	66180
tgtaatggct	gtctgcaatt	tcacaaatga	gattcatcgg	gattgtgcta	attacacctt	66240
catcttgatt	actaaggctg	gcttttcagg	tttgagcaat	tttggccact	gcaggatgaa	66300
catcagttcc	tctaaggctt	cttctccatg	ttggattatt	tgggttttag	attctcagaa	66360
gtggaatcac	tgtgtacaaa	gggcttgata	tttccatagc	tgttgagatg	tatcttcaaa	66420
taacttcccc	gtgatacaca	ggttcacatt	cactctgcgt	gtctttgtct	ttgttgttct	66480
tgttttgttt	tttgagacag	ggctctgctg	tatcacccaa	ggcacagtca	tagctcattg	66540
cagccctgaa	ctcctgggct	caagtgatct	tcccacctca	gcctctgaag	tagctggcac	66600
tacagctgtg	cagccatcat	gccagctca	tacttttttt	aattttttaa	attttcatag	66660
agatggggct	ttgctgttta	ccagggttgg	cttgaactcc	tggcctcaag	tgatcctccc	66720
gccttgccct	tccaaagtgc	tgggattaca	ggcgtgagcc	actgtacctg	gcctgcacgt	66780
ctttattgaa	catctactat	gttgggcatt	gttgtcatct	ctgaggcttg	caacagcaaa	66840
gaagaccaag	ccctcaggaa	gatgacattt	tgctagcaga	gacagaaggt	aaacccaaat	66900
acaatatttc	agatgttaca	aagaagactg	aagcaggtaa	gggatgtagt	gggtcagctt	66960
ggagccagta	tcttactttg	ctcctgacaa	ctatcctagg	aaaaaccaga	ggacagaaat	67020
catattttca	ttttactcat	gcggaaacag	gtaaagaggc	tcaactgagt	acacacagct	67080
catgggggca	ggaccagaac	tagaaatcga	cccttcggag	tctgagtcca	ctgatctttc	67140
tgccctcgtt	ctcagcgtct	ccatcaaggg	ccggggctgc	tgactccttt	cagcagtgcc	67200
atctgtatac	cagcatgggg	ccctatctta	gtccctgag	tgttgctatc	aaggaatgcc	67260
tgtggctgag	tgcttttttt	tttttttgca	taaaggaata	taaaactatt	tattaaccac	67320
tgttcaccag	tatttacgat	aaagtaaaca	atatacagtt	ggataacatt	ctgattacta	67380
caaagttggt	cttctctggc	tttgcgtaac	cagtaaagca	aactgaagat	tgaggctaca	67440
tgtaaggaat	gagctggggg	aaagaaaaaa	catgcaggtc	agtaggttag	attacaaaag	67500
gttggttcaca	catttatggc	agcaggctct	aaactgccag	catctctaac	catctgatta	67560
ggtttctatg	agccaagtct	tacatatctc	attcaacatg	atcttttagt	caatgtagca	67620

acagggattt	caacattttg	ttaaggaatg	gccactag	gaaattttta	aatattcatt	67680
taacttagtt	ttgttttagt	agttaaaaca	cactagcatt	tgtcttggtt	tctcatctgg	67740
atgtggaaac	ctgctgtgat	ggcagtata	aaatttttcc	tttcaggaat	tttgcaata	67800
aaccaattat	agacgtttta	aaattatcca	atttaaattg	tcctatttag	aattacttat	67860
ttcacttgaa	atgtatggct	tcaggaaaat	tttcaattta	ccttgaagt	attatctctt	67920
athtagctcg	gaataatggc	atctcagaaa	tatgggttta	cctgtgattt	tttgtttggg	67980
tgaatgctta	aaaacaaaaa	aaaatttatg	tatgcatttt	atagatacac	acacacaaaa	68040
aaacatgtaa	aaaatctaga	atggctcctta	ggcttatggg	aacacaagtt	ttgattgagt	68100
aatgactatg	gacattttccc	ccaacattta	gaaaagctgt	tctttaatga	agaggaaata	68160
atatctttat	aaagacaaga	ggtttatttg	gctcatgatt	ctgctggctg	gaagatggga	68220
catttggcat	gggcctcagg	ctggctacat	tcatagaagg	tgaaggagg	ctcatgtgtg	68280
cagaagtcac	gggcaagag	tggagcaag	agagaggggg	aggtgccagg	ctttttttta	68340
caaccagctg	tccaggaact	aaaagagtga	gaactcactc	acccccacct	cccaggaaga	68400
gcttaactta	ttcatggggg	atccaccccc	gtgacccaaa	cacctccac	tggggcctat	68460
gatgtatgtt	ggatctgtgt	ccctgccac	atctcatgtc	aaatcataat	ccccagtggt	68520
ggaggagggg	cctggggggg	ggtgattgga	tcatgggggt	ggacgtctcc	cttgcgtgtc	68580
tcatgatagt	gagttctcac	gagatctggt	tgtttaagt	tgtgtagcac	ctccctcttt	68640
gctctcttgt	tccttctcca	gccacgtaag	acttccccct	cgccttccat	catgattgta	68700
agtttctga	ggcctcccca	gccatgcttc	ctgtacagcc	agtggaaact	caagtcaatt	68760
aaacttcttt	tctgtataaa	ttaccaatc	tgaggtagcc	tgtttaaaaa	tttttttttc	68820
tggctgggca	cgggtggctca	tacctgtaat	cccagcactt	tgaggaggccg	aggtgggcag	68880
atcacgaggt	caggagatcg	agaccatcct	gtctaacatg	gtgaaacccc	gtctctacta	68940
aaaatacgaa	aaattagccg	ggcgtgggtg	taggcacctg	tagtcccagc	tactcgggag	69000
gctgagggag	gagaatgtgt	gaaccagga	ggcggaggtt	gcagcgggcc	aagattgcgc	69060
cactgcactg	ggcaacagag	cgagtctccg	tcccaaaaaa	aaattttttt	gtttctttat	69120
aatagagata	gagttacacc	atggtgccca	agctggttgc	caactccttg	gctcaagcaa	69180
tccaccact	tcagcctccc	aaagtgtggt	gattacaggc	gtgagccact	gcgcccggcc	69240
tcaggtagtt	ctttatagaa	atgcgagaac	agactaattt	caacatgaga	tttgaggag	69300
acagacatac	aaaccacagc	aggaccctt	gccttttgcc	actcaagaac	aactcatgct	69360
gtccattcta	atgccagcat	cccagtttca	ggacaagagg	caggaatgcc	ttgcttcagc	69420
ctgcatctct	tgttgctaga	ggcacgccaa	gcatttttca	agtcgtgccc	tggaatgtcc	69480
tagcaggtga	cagctgcctc	gaatgagcgt	ggacttgccg	ggagggcaca	gactgttccc	69540
gtgagtttct	atcagcgatc	gttcaactgg	agagactcca	gacgcttttg	cagagatcag	69600
gctacatcag	ggcaatcttg	gtccccagga	acatttggca	atgcctggag	acatatttgg	69660
ttattataat	tgagtgtgtg	ttggggaggg	gtgtggttgc	tactggcatc	tagtgggtag	69720
agaccagggg	cactgctaaa	catcctactg	tgcacagaac	agctcccaca	acagaaagt	69780
agccagccac	catgtcaatc	acactgaagt	tgaggaatct	tggattctaa	ccacagaatt	69840
atcaaattat	tgataatttt	tgagaggtaa	gagaggagaa	gatggagaaa	ggacaaaagg	69900
agagacaggt	agtgattagg	aggcagagtt	ttggcaccaa	acaactctgg	ctcaaagggc	69960
catggtacag	tgacttcctt	ttctgtctca	cctaactcat	ttttaattat	ttatttatgt	70020
tttttttttt	ttttttgaaa	aagagttttg	ctctcggtgc	ctaggctgga	gtgcaatggc	70080
gcgatcttgg	ctcattgcaa	cctttgcctc	ccgggttcaa	gtgattctcc	tacctagacc	70140
ttccaagtag	ctgagattac	aggcatgcac	caccaggccc	agctaatttt	tttttttttg	70200
gacgagattt	caccatgttg	atcaggctgg	tctcgaacac	ctgatctcag	gtgatccacc	70260
tgcctcagct	tcccaaagt	ctgggatgat	aggcgtgagc	caccgcacct	agccgtcatg	70320
ttttaaatag	gaataatggc	agtactattt	gctgggatta	ttatgcacat	caagcattaa	70380
gcacagtgcc	tgggacctac	acagtcaaat	gccagtaaaa	tgctatctac	tattattatg	70440
tttttttagag	acagggtcta	gctctatcac	ccaggctgga	gttcagcagt	gcaatcatag	70500
ctcactgcag	cttcgaacgc	caggggtaaa	aggatttggc	tgcctcagcc	ttccaagtag	70560
ctaggacttt	aggcatatgc	ccctacactc	agctaatttt	taaatttttt	gtagagacag	70620
aatcttgcca	tgttggccaa	gatggtctag	aactcctagc	ctcaagcgat	cctcccatgt	70680
cagcctccca	aagcactggg	attacaggca	tgagccacca	cccttggcct	ttactattat	70740
tatcattagc	tgtgagaaa	aagcagagaa	tggctgggtg	gggtggctca	cacctgtaat	70800
cccagcactt	tgggaggccg	aggtggaagg	atcacttgaa	gtcaggagtt	caagaccagc	70860



ctggccaacg	tggtagagacc	ctttctctac	taaaaatata	aaaattagcc	aggtgtggtg	70920
gcacatgcct	gtaatcccca	gttctcagga	ggctgaagca	ggagaatcgc	ttgaacccag	70980
gaggcagagg	ttgcagttag	tcaagatcat	gccactgcac	tccagcctgg	ccaacagagt	71040
gagactcctt	ctccccaaaa	aaaaaaaaaa	aaaaaaaaaa	aaatggccgg	cgtggtggct	71100
cacacctgta	atcctagcag	tttgggaaggc	tgaggtgggc	aggtcacaag	gtcaagagat	71160
caagaccatc	ctggccaact	tggtagaaatc	ctgtctctac	taaaaatata	aaaattagcc	71220
gggcatgggt	ggtagtgggc	gcctgtaatc	ccagctactc	aggaagctga	ggcaggagaa	71280
tacttgaacc	caggaggcag	agattgcggg	gagctgagat	cgtgccactg	cactccagcc	71340
tggcaacaga	gcgagactcc	gtctcaaaaa	aaaaaaaaaa	aaaaaaagca	gcagagaaaa	71400
aaggaaagag	aaaatgatgt	ggaagaagca	ctatttctga	ggaatggagc	taacaagtaa	71460
aaccttttta	aaaataactt	tcagtgttta	tactcttctt	tgtaaaagtt	tttattttta	71520
tttattttatt	ttatttttatt	ttatttttag	atggagtctg	gctctgtcac	ccaggctgga	71580
atgcagtggc	acaatctcag	ctcactgcaa	tctctgcctc	ctgggctcaa	gccatcctcc	71640
ctcctcagcc	tccagagttag	ctgggactac	agggaggcgc	caccacacct	ggagaatttt	71700
ttgtattttt	ggtagagaag	gggttttgcc	atgttgccca	ggctggtctc	aaactcctgg	71760
actcaagcaa	tccaccacc	tcagcctccc	aaagtgtctg	gattacaggc	atgagccact	71820
atgcctggcc	aataaaaagt	tgtaaaatggc	aattttatct	gattatagaa	tggatcccta	71880
atcattgtag	aaatttttga	aaatacaaac	aagtacaaa	aaggaagatg	aaagtatgca	71940
gaaccttgac	ctacgtgtag	cagaggccac	ttctactccg	agggttctgg	tgtatttcac	72000
agcaatcttt	ttcctccatg	taacctaaag	gtggcgggca	tgccttgggg	gcctttgccc	72060
tggccctttg	tccacctcca	aggctgcctt	tagcatgtca	ttgaatcctc	ccaaaagatc	72120
caagcccaca	accatttgac	aagcgagggtg	gagctctaca	gaactgctga	cgggattcac	72180
gctgcaggac	tccatcaacg	tccctatgag	atggctctgt	tttccctcatg	tctcatctct	72240
tctctctctc	tctctacctc	ctccacacac	cttccgttaa	aggagaccat	caggtcctaa	72300
atcaagcttg	tccaaattag	gcccaggatg	gcttttgaa	gcagcccaac	acaaatttgt	72360
aaaccttttt	aaaacatgag	attttttttg	tgtgtgattt	tttttttaag	ctcatcagct	72420
attgttacta	taagtgtatt	ttatgtgtgg	tccaagacaa	ttcttccaat	gtggcccagg	72480
gaagacaaaa	gattggacac	ccctgtcctg	aattactcag	ctctgttctt	caacttacia	72540
accccagttg	gcaaaaccaa	aagcttcatg	gtcctttgaa	catccttcca	agaaagaagc	72600
ttgtcccccg	accccaagct	gtccatcagg	gttaggtgtc	cattcacgta	actaaaaatc	72660
aagtcttttt	ctggaatatg	gaaggatggg	ttctgccatt	aaggcaaaca	agaagtcagc	72720
atttacggag	cattttacatg	taaatgcact	ttctgtgcat	aaactcttct	agaccgtcac	72780
agcagtcag	gaagagaaac	attgttttta	gctctatttt	acagatgagt	acatggagggt	72840
taagcaacac	acccaagct	ctgcactggg	aagtggcctt	ccagattcag	ccctagctcc	72900
tgtctttgac	aatttcaccg	tgttgtctcc	tctccatgtg	gctccatgag	ttgcagcggg	72960
catgactggg	tgtagacctt	cccctcccgc	tttctcccag	agctctgatt	tgtccaggag	73020
gcaacctgcc	ctgccttgat	ggaagccagt	cacagaatcc	catttgcttt	ggctagacac	73080
atacttttcc	aggctctctt	gcaagtggag	gtagctatga	catctactct	gggccaatga	73140
aatgtaagag	aacaacttta	agcaaccatt	accatagtca	cgtatgtgtc	atagtgccat	73200
ataggtgaca	tatgacatat	atgtaacata	atgacatata	gtgacatata	taaggaagcc	73260
agtggagggt	ttagttaa	atcattttggc	tgtttgactt	ttagctatat	aagtttttaag	73320
atcagctaga	agtaagtggg	taaaagcaag	caaggcaagt	taagtttggg	gggcttagag	73380
aaagccctta	agagaaactc	cgcttgggca	ggcttctggg	aaggataatt	agggccttcg	73440
gttctccctt	gtcctgggtc	taagctccta	cagccactca	cgtgagaatg	gcgaaaccga	73500
acgctaacct	gatgaagccc	accaaactta	acttgccctg	cttgctttta	accacttact	73560
tctagctggg	cttaaaactt	atatagctaa	aagtcaagca	gccaaatgat	atatacctaa	73620
cccccccacc	ggcttcctta	catatgtcac	tatatgtcat	tatggtacat	atatgtcata	73680
tgtcacatat	atgtcgctac	gacacatatg	tgactacggg	aatgggttgc	taaagttggt	73740
tttcaggact	atgggggcag	ctcctgtcca	gttcgaaccc	gttgagatca	atgaccttc	73800
aactgaacct	gtgcaaagtc	cggagaagtg	accttttgac	gtcagagggc	ccaaaactcc	73860
ccgagatcat	gctaagtctg	ccatttttcta	aacatgcacc	ctatgaagat	ccaggaagct	73920
tggctatgta	tgtgcagatt	gccaatgacc	tactttttcc	ttgcctccaa	tcacctcttc	73980
ccacacttta	gaccacctg	ctcctttatt	ccataaagat	ccctaaattc	catcttcagg	74040
gaggcaagta	tgagaccttt	tctcctgcct	ccttgcttgg	ctgcgttggg	gtgaataaat	74100

tcttttcttt	tgccaaatcc	atcataacag	cgattggctt	actacccatg	ggcagaaggg	74160
gacaggttcg	ctatctaggg	cagaggggag	gaaaggaaac	agccagaccc	ttgatagcat	74220
cctggggcca	ccccactgac	cctcgggcca	cctgcactcg	gactgcttat	caagtcaaaa	74280
aaaatttttt	tttttgagac	ggagtctagc	tctgttgccc	aggctggagt	gcagtggcat	74340
gatctcggct	cactgcaacc	tccgcctcac	agggtgaagc	cattctctgc	ctcagcttcc	74400
cgagtagctg	ggattacagg	catccaccac	caagcctggc	taatttttgt	attttttagga	74460
gagatggagt	ttcaccatct	tggccaggct	ggtcttgaac	tccttacctc	gtgatccacc	74520
tgccctcagcc	tccgaaagtg	ttgggattac	agggtgtgagc	cactgtgtcc	agcctcaagt	74580
aaatattaaa	tgtccttatg	acttaagtag	tgtgaacaac	tgacttgggt	tgccctggggc	74640
tgtcccagtt	tctgcactgc	agtttccaga	tccttggaac	cctctcagtc	ccaggcaaac	74700
agagacagct	ggtcacccaa	gatttaagac	actagtcgtc	ggacgctgtg	ttacttgcag	74760
ctgaagacat	tttcacagat	acatatgtgt	ggatagggtc	atttttaatg	tgtattggat	74820
caagacatac	agctgtcctg	ctcattgcaa	gcatgacatc	atgatgattt	tccaatgcca	74880
ttaaatcata	ttgttcaaaa	gacatgtgaa	tagttcatgc	aaagtgcctt	aaaagcatag	74940
ctggaagttc	gaataagcca	tgctttagaa	gcatggctgg	aactttgaat	aagccacatt	75000
agtcacagtc	tctgtaccat	tagggctgaa	cctggaaatc	aaactctgct	gctgccggct	75060
cgttccagag	agagatgtta	tcttcaagaa	cctgattaat	gttcggaagg	aaaagaaagc	75120
caaccctgtg	cattcagcat	cttggctctt	cacgctggga	cgatagggga	aagcgggtca	75180
tttttatcag	cgttgggtgc	ggagaggtga	tcaggccctg	ctggaataat	agagctgctg	75240
ctttacaaaa	tgtttgtgaa	aacgacatga	aatggaggca	tcagcagctt	gagttgcagc	75300
ctaattgaaa	cccagcagag	accacgacaa	aggcagaggt	aggttttcag	aggcaaggat	75360
tgacttttaa	aaatagtctt	tattgtctcc	ttttaaaaat	aagttacaga	ggctgcaggt	75420
atcttaagac	agggtgagaaa	aagatgtcat	gtctgggccc	ggcgcggtgg	ctcacgcctg	75480
taatcccagc	actttgggag	gccgaggagg	gcggtacacg	aggccaagaa	atcgagacca	75540
gcctggccaa	catggtgaaa	ccctgtctct	actaaaaata	caaaaattag	ctgggcgtgg	75600
tggcacgtgc	ttgtagtctt	agctactcag	gaggctgagg	caggagaatc	acttgaacct	75660
gggaggtgga	ggttgcagtg	agccgagatt	gcaccactgc	actccagcct	ggcaacagag	75720
cgagactccg	tctcaataaa	taaaataaata	aataaaaaata	aataaataag	atgagggggt	75780
tagatgagcc	ctcgagcccc	attctgcaag	cacagagagg	atacaaccgc	ctttagacac	75840
agccagatct	caatgcagat	ctcagtacct	ccattgactg	gctatgacct	actttgctgc	75900
tctcagcctc	agtgtgtgca	ctgttgaaaa	gggattacac	ctttgtcttg	gggttgtatg	75960
agaatcaaac	aggcttgtgt	gtgtggtgca	ggcagcccac	ggttttgcac	aggcagtggt	76020
ggtgtgtagg	aacagccact	tccatccact	cctccaccct	aggtaaaaag	tcagctcaca	76080
gagactctcc	tggactatct	cagccaacat	ttctgtgcaa	aatgtgtatc	tcactatcac	76140
atgctatttt	tttttttttt	gagatggagt	ttcgctcttg	tcgtccaggc	tgtagtgcaa	76200
tggcggggtc	ttggctcact	gcaacctcac	ctcccagggt	caggcgattc	tcctgcctca	76260
gcctcccaag	tagctgagat	aacaggcact	tgccaccatg	cccagcaaat	ttttgtattt	76320
tggtagagag	gggatttcac	tatgttggcc	aggctgggtc	cgaactcctg	acctcaggtg	76380
atccaccgcg	ctcagcttcc	caaagtgtgt	ggattacagg	catgagccac	cgcgccctggc	76440
cagcatgtgc	tattacaatt	tcctcaaate	aaatggttcc	aagatgataa	acatgtgcat	76500
tggttcagct	ttcgtaggat	tcatgagctt	aaacgctatc	cctgggtaag	gataagtgtt	76560
gataagtgtc	cagggagccc	ctggcctcag	caattttctca	gcatcttgct	ggggaccaag	76620
ggaccggaga	ggtgcctgcc	agtgtacata	ggaagggaat	gccctcatgt	tgcaccctgg	76680
aaggccaata	tgtctgtttt	ctctctgttg	ccatttttaat	ggactgtgga	tttacatcca	76740
cctgtcacac	tggcctttcc	tttgattgca	gtcagacact	cgttcccaaa	caaattgtcac	76800
cttcttcaag	acccttgttc	ccactctgtt	cccaaatgtc	aacttcctca	agcgagtttt	76860
attcttctct	cttccaaggg	ctttctagac	tgcccttagtt	ttcatttttc	ttacaataac	76920
aactactaat	actgctcttt	tctgtatgta	tgatataaaa	aaattatggc	caggcacagt	76980
ggctcatgcc	tgtaatccca	gtactttgag	gctgagatgg	gaggatcgat	agagtccagg	77040
agttcgagat	tagcctaggc	aacatagcga	gactctgtct	ctacacaata	aaaaaattag	77100
ctatgcctgg	tggtgtgtac	ctgtggttcc	agctaccaga	gaggctgagg	taggaggatc	77160
acttcagccc	aggaggttga	gtcctggggt	gagccatgat	cacaccactg	tactccaacc	77220
tgggaggcaa	ggattgactt	ttgaaaatag	tcaattttct	tgacgtgggt	ttccagctgt	77280
ctgccttgac	agagtgagac	cctgtctcaa	aacaaacaaa	caccagtatt	gcttagttac	77340

ctttgtttta	gacctaaaag	aatacttgct	cctggccggg	cacggtggct	caagtctgta	77400
atcccagcac	tttgggagge	cgaggcgggc	ggatcacaag	gtcaggagat	cgagaccatc	77460
ctgggctaaca	cggtgaaacc	ctgtctctac	tgaataataca	aaaaatcagc	cgggcgtggg	77520
ggcgggcacc	tgtagtccea	gctacttggg	aggctgaggc	aggagaatgg	cgtgaacctg	77580
ggaggtggag	cttgcaagtgc	gctgagatca	tgccactgca	ctgcagcatg	ggcgacagag	77640
cgagacacca	tctaaaaaaa	aaaagaaaaa	aaaaagaata	cttggtcctt	tttttttct	77700
tttttagagg	cagggctcta	ctatatggcc	caggctggac	ttgaactcct	gggcttaagg	77760
gacccctctg	cttcagcctc	ccaagtagct	gggaacacag	gcataacca	ccacaccag	77820
cttggctctat	ttaaaaaatt	atacaaatat	tacataaata	tggctctact	ataaaaaacat	77880
caaacaatac	agaagtataa	ttgctagtac	ttattgaatg	ctttcatatg	attggtgtca	77940
ggctctggat	taagcatttt	acacaaatca	tctcagtga	ctcttgacgc	aactctatga	78000
ggtaaggact	attattatta	tctcttagac	aggataaaga	acttggtcaa	cgtcacagag	78060
taagtggtag	gaacttgaac	tcgggcagtc	tgatctgagc	ccatgctctc	gactgggact	78120
gtgaaagctc	cagccagtga	ctggagttca	aggaagacag	agatcaggat	agtctgggag	78180
aaggctgctc	aaatcgagat	gcaacttaca	ggggagggca	caacttggag	gggtcaggaa	78240
aagattccag	gcactcagag	agaaggggga	gctgagacaa	atattaggaa	tgggtgtggg	78300
atgccagggt	aggtgacaat	gaagagtctg	cccaattagg	acatatcagg	gacatatgtg	78360
tctgcgttgt	aaagaacctt	aacatgggag	ccatcttagg	ttctagagtg	agagcatggc	78420
atggagatgt	gtctatgaaa	cccagtttgg	aagacatggg	gatcagtatt	tcacaccaa	78480
ggagagagtg	cactctccct	ttgaccttct	gtctaagacg	atccaaggaa	ttcctggaag	78540
atgcgtttgc	tcctcaatct	ttagctgggg	ttggcaaat	atagcccaca	gtcaaaatct	78600
ggcccactgc	ctgttttggt	acaactcacg	aactaagaat	agtttaattt	tcattttaa	78660
atacttgggg	aaaatcaaaa	tcataacatt	ttctgataaa	tgaaaattat	atgaaattca	78720
aagttcagca	tctgtgaata	acatgctatt	ggaacgaagt	catgtccatt	catttcagca	78780
ttgtctgtgg	ctgtttttcc	cgacagtggc	agaggtgagt	aatcacgaca	gagactgtac	78840
actctgtaga	gcctaagggtg	tttagtactt	ggccctttac	agaaatattt	tgctgaactt	78900
acaggagtgt	aatcatagct	cactgcagcc	ttgacctcct	ggctagagca	atcctcctgc	78960
ctcagccttc	caagtagttg	ggactacagg	cgcagtcac	cacgccttgg	taatttttaa	79020
aaaacgtttt	gggcccaggca	cgggtggctca	tgcctgtagt	cacagcactt	cgggaggccg	79080
aggcaggtgg	atcaattcag	gtcacgagtt	caagaccagc	ctagccaaca	tggcgaaact	79140
ccatctctac	taaaaataca	aaaactagcc	gggcatgggtg	gtgcatgcct	gtgatcccag	79200
ttactcggga	agccgaggca	ggagaattgc	ttgaacctgg	gagatggagg	tttcagttag	79260
ctgagatcgt	accactgaac	tcagccctgg	gcaacagagt	gagactccat	ctcaaaaaa	79320
atgtctggta	gagatggggg	tctcactatg	ttgctcaggc	tgggtctcaa	ctcctgggct	79380
gaagccattc	tccctgccttg	gcctcccaaa	gtactgagat	aacaggggtg	agccactgtg	79440
cctggctcta	aagaaatttc	tgcagctaga	agagctctca	ccttacatga	atgaagaaat	79500
caatgccccag	agaggtgaat	gctgttcacc	aattcactga	ctcatccaga	aaacagttct	79560
tgagcgccta	ctacgtgtca	gccctcctga	tctattttca	ctttcaagag	acattgagac	79620
ataggccagc	taccaaggcc	atgtggcgag	acagcagggc	tcttcccacc	ccactgcttc	79680
gactgagacc	agagcttggt	ttcttctctg	ggctctggca	gggaactggg	ccgtgccccag	79740
tgcatgcaag	gttggccaac	agatttcctg	cacctgtctca	ctgatgctac	ctggcagttt	79800
ctgggaccgc	acttagccct	ctgcacatcc	ttcactcctt	tgaaggagac	agtaagtgtt	79860
gtgagttcat	ttcttcttct	tcttcttctt	tttttttttg	agatggagtc	tcgttctgtc	79920
gcccaggccg	gagtgacgtg	gtgcaatctc	agctcactgc	aacctctgcc	tcccaggttc	79980
aagcaatcct	cgtgcctcag	cctcctgagt	agctgggatt	acaggggcac	accaccatac	80040
cctgctaatt	tttgtatttt	cagtagagac	gggtttcacc	atgttgacga	ggctgggtctt	80100
gaactcctga	cctcaagtga	tccaccaccc	tcggcctccc	aaagtgtctg	gattacaggt	80160
gtgagccacc	gcgtccactt	gttatttttg	attttttttc	ccccagactc	ttaccagtgc	80220
ctagaatgag	acacatagtc	cttcccttgg	agggcccagc	gagctgtgaa	gtggatagaa	80280
gactggccct	tgggtgtccct	aacctacccc	ctaaggcctt	tggctaagct	ggcccagaat	80340
aattaaagat	gtgaacagag	attaagctcc	aggtgggcac	agcagctcct	gcctgttatc	80400
ccagaactaa	gggaggccga	ggcaggagga	tcgcttgagt	gcaggagttc	aagagagctg	80460
ctgggttttaa	atgtggcact	tcctacactc	attttctctt	gtgctgtctc	tctcctgccg	80520
ccacgtaaga	cgtgcttgct	ttcccttcgc	cgtctgccat	gactgcaagt	ttcctgaggc	80580

ctccccagcc	atgcagaact	gtgagtcaat	taaacttctt	tcctttataa	atgaccagtc	80640
ctcgggtagt	atcttttacag	cagtgtcaga	acagactggg	acacagccca	tgtgcatccc	80700
tgtgtaaaagc	ctggcccaaa	ggagttctct	tgaactcctg	cactcaagcc	tttgcccaac	80760
tcctccctca	gtcagaaaa	ctttgtctca	aactaagtgc	tctgcagctt	cactaatccc	80820
ttctccttct	ggaatcttcc	tgatgccctc	agctacatca	ggctcctctc	cttcctgcag	80880
ccatagcccc	cttggttatcc	cattgacatc	taggcattcc	agaaccatct	aggcatttgt	80940
gtttctgcct	caacagactg	cacctccttt	aagggaactt	gcctttttcc	ttcatgggtc	81000
tagcacacca	ccccgtccct	gatacattgc	agtaaataca	caaggaagga	aggaaggctg	81060
gcaggcatgg	agggtagaca	cagtactgca	ttttgttgaa	acaaggccta	aagactgcag	81120
gtgcaggtgg	aaaaatttca	agtctcatga	tagacaccac	gagggcaatc	gcatctatca	81180
aaggcgggtga	gtcagccctg	gagaaatcca	attaaacatc	cgtcattcga	gtgatactgc	81240
tttgcatctt	gctatcaata	ccgtttctat	tctgagctgg	ctcagcatct	gggctctctt	81300
gtgccttcca	ctctcagtc	ctcgtgcga	gttcctgcca	ctgtgtggcg	tcctctcccc	81360
caaatccacc	ctctccactc	ccaagtcct	ccctcctctc	aagctgatgc	caacaaaagc	81420
tattttgtat	ccagcccaat	ctcattgaat	cctcatcatc	tgtagggtgg	tattcttatt	81480
ctccacttta	cagaactctc	agagaggtta	agtaaatacg	ccgagatcag	acagcttgca	81540
agatttgaaa	gaagacagtc	taactccaga	gccctgacaa	ttgccactac	aacagactgc	81600
ctacgcagtg	caccagata	taccaggctg	tcactctctg	ttcccatacc	cccttacttt	81660
atcccgttct	ttcagtcagg	agccttctaa	aatgctttca	ggccggggcg	gggtggctcat	81720
gcctgtaatc	ccagcacttt	gggaggctga	ggcaggcaga	tcacttgagc	tcaggagttt	81780
gagatcagcc	tgggcaatac	gggtgaaacc	cgtctctact	taaaaaaaaa	aaaaaaaaatt	81840
agccaggcat	gggtggtggc	acctgtagtc	ccagcaactt	gcgggggctga	gggtgggagga	81900
tcgcttgaac	ctgggaggca	gaggttgtag	tgagctgaga	ttgtgccact	gcactctggc	81960
ctgggtgaca	gagtgagact	ttcaccagtg	gcagttccaa	ggagtgggct	ttcttaggga	82020
tggcagggaa	tggtttcagt	cccacctcgt	aatttccatt	agccttcaaa	ccacctcaac	82080
atttaaaaag	tgcttttggg	ccgggcgcgg	tggctcacac	ctgtaatccc	agcacttcgg	82140
gaggccgagg	cggggtggat	cacgaggtca	ggagatagag	accatcctgg	ctaacacagt	82200
gaaaccctgt	ctctactaaa	aaacacaaaa	aatgggtgga	gggtgcttgta	gtcccagcta	82260
ctcgggaagc	tgaggcagga	gcatggcggt	aacccgggag	gtggagcttg	cagtgcgccc	82320
agatggcacc	actgcactcc	agcctggggc	acagagcaag	actgcatctc	aaaaaaaaaa	82380
acgtgctttt	gaaatgggaa	atatcaggta	ggatagaagc	aataagagaa	aatgaaataa	82440
agaaatggga	aatagacatt	tttcccaatt	ttgtggaaag	tgtgaagaaa	aaacttgata	82500
gaaactatgc	aatttttaatt	aatttgtacg	acacaaatct	cactaaaaac	catggactcc	82560
ctactgcgaa	ggcagctcta	aggtaagtcc	cctgattgtt	tcattgtgacc	aactggctgg	82620
ccctaagccc	ctcctgttta	ggaatttttt	tttttttttt	tagacaatgt	ctcactctgt	82680
cgccaggatg	gagtgcagtg	gcgtgatctc	agctcactgc	aacctccgcc	tcctgggttc	82740
aagggaattct	cctgcctcag	cctcctgagt	agctgggact	acaggcgccc	gccaccacgc	82800
ccagctaata	tttgtatttt	tagtagagac	agggtttcac	cacgttggcc	aggatggact	82860
ccatctcttg	acctagtgat	ccgcctgcct	ctgcctccca	aagtgcctgg	attacaggcg	82920
tgagccaccg	caccgcggcc	tgtttaagaa	ttttaaaagca	atcactccat	tttttttttt	82980
tttttttttg	agatagaatc	ttgcttgctc	tgttgcccag	gctggaatgc	agtgggtgta	83040
tcttgatctg	ggcttactgc	aacctccacc	tcctgggttc	aagcaattcc	tctggctcag	83100
cctcccaagt	agctgggatt	acaggcacca	gccaccatgc	tcagctaatt	tttgtatttt	83160
tagtagagtt	ggggttttac	cagtttggcc	aggctgggtc	caaactcctg	acctcaggtg	83220
atctgcccac	ctcggcctcc	ctaagtgcgt	ggattacagg	catgaaccac	cacatccggc	83280
cgcagtcatt	ccttttcagct	gagcttctaa	ggactgaagg	aaaaaactct	taagaacaca	83340
atctgcaggg	cccgggggaag	cctccctgc	cctcttccca	ccatttctct	cttagcccat	83400
ggactggggc	actaggacca	ctgtctcagc	ttagccctgc	tcctgccaaa	gcacagagca	83460
cacttctctg	aagccatcac	ctatctacca	tcaccactgg	caattcccat	cagagtcatt	83520
gcaccagcag	aagcagataa	gcttttgata	ataagtaaat	taatgtttta	gtcaacttca	83580
tgtttatttca	gcatgctagt	gattagtggg	ctcctttgta	ggcaagcgag	accctggggc	83640
ttgataaacc	acaaagaaaa	cgcaagtaat	ctctgttgga	tgcccaaaag	tagggcaggc	83700
taggactaga	atgagtgatg	tgctggggaa	tgtttaactg	gctggaagca	ggggaggggg	83760
gtagaagcct	tgctgtgaat	catttgccaa	tttccacggg	gtaaatactc	ccactgctgc	83820

agatttttgag	ctaccacag	ttgaacaact	ggttctccag	attcctaaaa	atttaacatc	83880
actggctaga	atcaacaagt	gggcagattt	aggggtgctt	cttcaacact	ctaaagtatt	83940
cattcaacgt	ttacttagaa	gagaagctga	gtattatttg	gggaaaaggt	tacctgtggc	84000
gatgatgatg	acaatgattt	tggctaccat	ttactcggaa	ttcaccacgc	acagggcggg	84060
tgcagtggct	tacacctgta	atcccagcac	tttgaaaggc	caagaccagc	agatcacttg	84120
agatcagggg	ttcaagacca	gcctggccaa	cctggtgaaa	tcccgtctct	actaaaaata	84180
caaaaattag	ccaggcatgg	tgggtgcacag	ctgtaatccc	agctactcgg	gaggctgagg	84240
caggagaatc	acttgaactt	gggaggcaga	agttgcagtg	aaccaagatc	atgccactgc	84300
gctccagccc	gggcgacaaa	cagaatttac	catgcacctt	ttacacccta	agtgttttat	84360
acactaagaa	gtgcttcata	ggcactaaat	gctttacaca	gatcatctca	atcctgataa	84420
ccactgtttg	aggtgggcac	tacgtggttg	tctcttttat	acaggaagat	cccacagctc	84480
agagaggtta	agtggctcca	tcggaatcac	acagctagtc	aatgggtggag	ctgggacact	84540
gacctgtgga	tcctgattcg	gacaccacac	ttatctcaat	gaagaacatc	tccttcattg	84600
tgtggcaggt	caggtctcac	taacgcaggc	ctccatgaca	gctatttcag	cagggactgt	84660
gtggttaagt	taaacattaa	aagctgaaag	tggctgggca	ggcagtgact	catgcctgta	84720
atcccagcac	tttggggagcc	caaggcggat	gcacacctt	gttcaggagt	tcaagaccag	84780
cctggccaac	atggtgaaac	cccgtctcac	ctaaaaatac	aaaaaaaaatt	agctgggcgt	84840
gggtggcaggc	acctgtaatc	ctagctactt	tgggaggctg	cagcaggaga	atcgcttgaa	84900
cctggggaggg	ggagggttgca	gtgagccgag	atcctgccat	tgcactccag	cctggggcgac	84960
aagagcaaaa	ctctgtcact	aaaaaaaaaa	aaaagaagaa	gaaaaaaaca	aagctgaagg	85020
agcctactgg	gcctggtggc	tcctgctgtg	acaatcccag	cactttagaa	ggcagaggcg	85080
ggtgaatcac	ctgatgtcag	gagtttaaga	ccagcctggc	caacatagtg	aaatcatgtc	85140
tctacaaaaa	atacaaaaaa	tagctgggca	tgggtggcgca	tgctgtaat	cccagctact	85200
cggaagctga	ggcaggagaa	tcgcttgaa	ctaggaggca	gagggtgtag	tgagcagaga	85260
tgcaccact	gcactccagc	ctgggcgaca	gagcgagact	ctgtctcaaa	aaaaaaaaaa	85320
aaaagctaaa	agagccagtg	ccctataca	aaggctggaa	tgtaacagaa	atcctccaac	85380
agttttgtct	aggcctttcc	tgggccttga	aacatgacga	gataacgagg	caattcttaa	85440
caggacacgt	ttaggattaa	acaagtttta	ttgggggtgt	gaagaaactc	cccaggcctc	85500
cacaaacaag	tttattggga	gtgtgaagga	agtcccaaaa	cctccatgat	ttagcaggag	85560
acaagataag	ggtaatcacc	ccagcaactg	gaccatttta	gattaagtaa	atttactgag	85620
gcttcagagg	aaggctctca	ggactcagac	cttagttaga	ctagaagaag	ctgattatct	85680
aggtctttag	gtgaacgcac	acttacacgt	ggacatatag	tttagaagg	atgtaagctc	85740
tgggaaactt	tgtaattttg	agttgggtct	gtggtatatt	ccaggctttt	tccctgtaac	85800
tggtaacaga	aatagaactt	ccctcctttc	ccagtttatt	tgcatctcgt	tattgggtca	85860
ctagaataag	cagcccaacc	ctcagtttga	tccagggaaca	attgttccaa	gcaatttaat	85920
tctgatacca	gttcagcata	atgctccttg	aaaaaatca	aaatcctgca	gatagcagga	85980
ctcactttgc	ttagaacgac	ggggtttatg	tgtatgtgtt	tttgtttgtt	gtttgtttgt	86040
ttgtgacagg	gaaacagggt	cttgctctgt	catgtaggct	ggagtgcagt	tgcttgatca	86100
tggctcacca	cagcctcaat	ctcccaggct	caagacatcc	tcctgcctca	gcctcctgag	86160
tggctggaaa	tacaggcggt	ccctagcatg	cttggtcaat	ttttatatatt	tttatagaga	86220
gggggttcca	ccatgttgcc	cagtctgggt	tcaaacttct	ggcctcaaag	caatcctccc	86280
atctcggctt	cccaaattgt	tgggattaca	ggcgtgagcc	ctgtgcctgg	ccccaccct	86340
cttctttgac	ctctgtcaaa	gaagaccttc	tttgccacc	attcctggcc	atggaaggct	86400
gtttacagac	tacctattgt	tacttacaca	tggctctggg	tggggttgtg	tctccctcct	86460
gtaatggaaa	aaagttggaa	tttttggctg	ctcaacctcc	aaacctagt	tttagggaaa	86520
gcattcactg	tgtcagtcac	tattagagaa	gttcaacaag	ggagcaccac	cacttccctc	86580
gactcagcca	atcagaagct	catgtccaag	actttgacca	cagagcaaat	gacagagata	86640
aaaggatgga	gggattagac	ttgtgctgtc	cagcaatggc	ggcttccctg	ccagattggg	86700
cctgtggcca	gtctctgggg	ctttcttgat	ccatactcat	ttccaagcct	gtccttccga	86760
ctcctgagcc	cccatcccca	ctcatagcct	tctacaatcc	catttttttg	ttgagtcagg	86820
cagagttgat	ttctgttgct	tgtggccaac	aacctaaacc	aaaagaagcg	tcagagtgtt	86880
cccaccaacc	acaccgggtc	ttctctctaa	gggaagtctg	gatggggaca	atcttctcca	86940
tcatatatca	ctttagttag	tctgtactgt	cttctatcga	ttggtaactg	gctagcttgc	87000
acctaatacag	ctgtgggcag	atatcagtaa	gagggtgtta	gaaagcactt	attagaaaat	87060

ttggggccag	gtgtgggtggc	tcacacctgt	aatcctagca	ctttggggagg	ccgaggcagg	87120
tgtactcactt	gaggtcagga	gttcgagacc	agcctggcca	acatgggtgaa	accccgtctc	87180
tactaaaaat	acaaaagtta	gtcaggcggtg	gtggcggggtg	cctataatcc	cagctactcg	87240
ggaggctgag	gcgggagaat	tgcttgaacc	cgggggggcag	aggttgcagt	gagccgagat	87300
tgcaccactg	cactccagcc	tgggtgatag	agcgagactc	cgtctcaaaa	aaaaagaaaa	87360
agaaaagaaa	agaaaatttg	ggcttgtgtt	agggtgctttg	ggggacagtt	taaaggaagt	87420
gagcattttac	tctggattgg	atgttgtcag	gaagtggagg	taattctctg	atagagtgtc	87480
ttcctaattc	tttcctttaa	agggagaaga	acagagtaag	actgaaactg	tgattgatgg	87540
agaactagca	gtcactcata	tgagctagga	aatggggcta	ttgggtgatt	tttgtggctg	87600
ggacaatggt	catgtcttta	tctgccttca	ggagtagtgt	tattttgtct	tgatctatca	87660
cggctctcagg	atggccttgt	ctgatgccgg	caatctgcaa	aattgtttac	attcaacagg	87720
agaacacttt	ggccaagctg	tgagtgtcaa	gccagctccc	ggctgccagg	ggcagctttt	87780
ctcttttctca	cagtgtagga	agtaatttat	atacttcttt	tctgcccata	agtaattact	87840
aaatctgcaa	ctatagggac	cagtccctacc	catttttagtc	ttccctgcgg	ggcccaccat	87900
gatgcttttgc	atactgaacg	tgctctggga	atgtgcccg	tgaactaaat	tatgggcaca	87960
gagaactctc	tgggacttgg	cattattaag	atcatgctga	agtatatttt	caaaatttaa	88020
aatgtgactc	atacaaatgt	ggaatgaaca	cttgtcaaaa	aattttattta	accattaat	88080
gagggaaacca	gtaaaatggg	aaagctcgct	ccaagggcat	ttaaaaagtg	gactcatcag	88140
catcttttaat	gaaaacctta	gcataagatt	gctaaattcg	agagaaatct	ggttaacatg	88200
ctataagggc	aataaaaacca	taacctttta	tgtcgtcttt	tttctactgg	acagaaatct	88260
acaagttaac	gtgtaatttc	actatgtcag	tgtctctaat	aaataataaa	taacaaagtc	88320
agatacatgt	actctctcca	agataattaa	tcacccgtgg	gcaggtcatt	aagcagtgcc	88380
tcagtatgac	atggaaaaga	cattcttcc	tatttccaat	ttttagttaa	ttttcattta	88440
agaatcataa	caaaagactc	ttttgtggct	tcttaggaac	atattcaact	gaaatttttg	88500
ttttaattgt	gttttagaga	cagggtcttg	ctctgtggtc	caggctggca	tgcagtggta	88560
taatcatagc	tactgcagc	cttgacctct	caggtttaag	caatcttccc	acctcagcct	88620
cctgagtagc	tgggattatg	ggtacacact	accatgccc	gctcatttca	aaattttttg	88680
tagagaggag	ttcttgtgat	gttgcccagg	ctggtctcaa	acccctaggc	tcaaggagtc	88740
ctcctgcttc	gacctcccaa	agtgtcggga	ttataggatt	gagccactgt	gcccagcctg	88800
aaattttttct	aatgcccacc	tcacacctgg	caattcccca	ggtatcagca	gcagcagtag	88860
catcctgctg	atacgggacag	gcggcagaag	gacagggtcc	caggtgaggg	ctccaccctc	88920
aagcctggac	ctgcagccct	aaatgagaac	aggcattcct	gttttcacac	ccaaatgttg	88980
cctttttccaa	aaccgctctg	gaccaccctg	cccccatcct	atgcccttaa	gaaccccaaa	89040
cccaggctc	cacaatcaga	atagcaccag	agtggcggtg	cagagaagga	gagaagagaa	89100
gaagtgtctg	aacatcgaga	ggagtttggc	tggggacagt	cagagaggag	atcatctgag	89160
gatggctgaa	ctccagggga	agattacctt	cccactccat	cccctttcca	gtcccccttc	89220
cactgagagc	cacttccact	acttaataaa	aaatttgtat	tcaccatcct	tcaagtccat	89280
gtgacctgat	tcttctctgga	caccagacaa	gaacccagg	accaagaggg	cagggtgtaa	89340
aaggctatca	ccctgaatct	ccactgaact	ggttaacact	tagtcatctg	cgtacagcaa	89400
ctgctaaaag	agtattaatt	gtaacacatc	cctagacgct	gccatgggac	cagagcccaa	89460
aagcactcac	cccagcccca	atctgtctac	ctgcatgctc	cccctcctgc	aaggggtttg	89520
atgcagtggc	agccaagtaa	gcgagccaca	cccctgtcac	aagtcctgca	aaggggacag	89580
gggagctccc	ccatttccact	gctaacattt	actgaacagt	tattatgtgg	ttaggtattg	89640
taatatcttt	tttatgtatc	ttatctcatc	tgtcctgac	caaaaaaaaa	aaaaaaaaaaa	89700
aaaaatccct	aggaggtaat	tcattaagcc	actagtgtgg	ttaataaaaat	atctattttg	89760
tcttcatccc	tggttcccag	cacagagctc	ctaaaagccc	tggagtttcc	tgagcgatag	89820
gactgtcttt	tgttatccat	agcaatcccc	attgtactac	atctgagtgt	atgctaataga	89880
gggcactcag	gctgagttcc	ctagagagat	ggcttcagg	tggggcctcg	tcaccagaag	89940
agcaaatgtg	tgataaagac	aggggagagg	ggtgggcagg	gcacggtggc	tcacgcctgt	90000
aatcacagca	ctttgggagg	tccaggccgg	cagatcacga	ggtcaggagt	tcgagaccag	90060
cctggccaat	atggtgaaac	ccccgtctct	actaaaaata	caaaaaattag	ctgggtgtga	90120
tggcacgtgc	ctgtagtcca	agctacttgg	gaggctgagg	caggataaatt	gcttgaacct	90180
gggaggcgga	ggttgacgtg	agccgcaatc	atgccactgc	actccagcct	aggctataga	90240
qtgagactcc	qtctcaaaaa	aaaaaaaaaaa	aagacaggtg	gtcgggggca	ctgccggatg	90300

cagaggetca	tgccgtgaat	cccagctact	caggtggctg	agccaggagg	atcacttgag	90360
ctcaggagtt	tgagaccagc	ctgcacaaca	tagcaagact	ccatctctac	caaaaaaaaa	90420
aaaaaaaaaa	atttaggccg	ggtatggtgg	ctcaagcctg	taatcccagc	actttgggag	90480
gccgagggcg	gcggatcatg	aggtcaggag	atcgagacca	tcctggctaa	catggtgaaa	90540
ccccacctct	accaaaaata	caaaaaaatt	agccaggcat	ggtggcaggc	gcctgtaggc	90600
ccagctactc	gggaggctga	ggcaggagaa	tggcatgaac	ctgggaggcg	gagcttgacg	90660
tgagccaaga	tcgcgccact	gcactccagc	ctgggtgaca	gagcaagact	ctgtctcaaa	90720
aaaaaaaaaa	aaaaaaatta	aaaattagcc	aggcatgttg	gcacccacct	gtgtagtctc	90780
agctacttgt	gaggctgaag	caggaggctc	actcctagga	ggtcaaggct	gtagttagct	90840
atgatctcac	cactgcactc	cagcctgggt	gacagagtga	gaccctgtct	caaaaaaaaa	90900
aaaaaaaaaa	aaacaattcg	gcgggcaact	tccagtccca	ctcgctgacc	tgccagggaag	90960
aggaggaggc	tggcgactga	attataaaaag	ctcttgaaac	gtgagatcca	gggagcctct	91020
aggttgggtg	acacactggg	gtgctggggg	ggcagtgcac	ccagagaggg	catcatggaa	91080
gctctgcacg	gctccctctc	cacaccttgc	ccaatgcate	tctcttccat	ttggctattc	91140
ctgagttctg	tcctttgtaa	taaaccagta	aacataagtg	aagggtcttc	ctgagctctg	91200
tgagtcattc	cagcaaacta	tcaaaccgga	ggaggtggtc	gtgggaaccc	ccaagtttgt	91260
aattggccag	gcagaagggt	gggtggctcc	ggacttgcca	ctggcatctg	agataggggc	91320
agtctgggtg	gatgggggtct	tttaacttgc	aggacctgat	gctaactcca	ggacattagt	91380
tgatagctga	attgaattgc	ttgggcaccc	agttggcatc	caagaatcag	agacttagtg	91440
tagaaaaatg	gcacgtatct	ggtatcagaa	aaaacacatt	tggtgtcaga	agtggcgtca	91500
gaaaacacca	cacagagtaa	cagagaagtc	gagcaatttg	ctcaagacca	cacagccggt	91560
aagcatctcc	gctgggacac	agaccctggc	gcaggcaaa	tctgtgactg	taactgctac	91620
gtgtgctgcc	tcttgctgcg	cctgacctcc	tcacaccagc	caccagggtc	aacatcctta	91680
tcgccttgca	ggcaagaagg	aaaagtgtgg	ctcagggtag	caaagccagt	gtttcctgaa	91740
catcagtcac	ttgcacgtta	ccatggcaac	agttgctatg	cctcaagccc	tctctattat	91800
tattattatt	tgagacaggg	tctcactctg	tcaccagggc	tggaagtgcag	tggcacaatc	91860
tcagctcact	gcaacctcca	cctctcagg	tcaagtgaat	ctcatgcttc	agcctcctga	91920
gtagcttgga	ttataggtgc	atgccaccga	gagccgctaa	tttttgattt	tttagtagag	91980
acgggggttt	gccatggttag	acaggctggg	cttgaactcc	tggcctcaag	tgatctcccc	92040
acctcagcct	cccaaagtgc	tgggattaca	ggcgtgttct	cttttattgt	ctattttaata	92100
cttttcttta	tggttgattct	cttttttaca	tcaccataaa	tgcaaacctta	atattgttcc	92160
taaaagacat	gaaaattata	tatatTTTTT	tcagcagggt	ctcactctgt	cgtccaagtt	92220
ggagtgcagt	ggcgtgatat	cagctcactg	cagcctgggt	tccagcaatc	ctcccgctc	92280
agcctcctgg	gtagctgggg	gtactacagg	tgcactccag	cacactgggc	taattttttg	92340
taaagacgga	gtttcgtcac	gttgcccagg	ctggactcaa	actcctaggc	tcaagtgatc	92400
ctccactttg	gccttccaaa	atgctaggat	tacaagcatg	agccactagg	ccttgccctga	92460
aaataaatct	tttttctttt	tctttttttt	tttttgagac	ggaatcttgc	tctgtcacca	92520
ggctggagtg	cagtggtagc	atctcggtct	actgcaacct	ccacctcccg	ggttcaagag	92580
attctcctgc	ctcagccttc	caagtagctg	ggactacagg	tgtgcaccac	cacgcccagc	92640
taatttttgt	attttttagta	aaggctgggt	ttccaccatg	ttggctaggc	tggtcttgat	92700
ctcttgacct	catgatcctc	ccacctaggc	ctcccaaagt	gctgagatta	taggcatgag	92760
ctaccatgcc	tggccgaaaa	aaaattctta	attaatgttt	tcctaaatgc	tgctaaaaat	92820
catcccagag	cgtaccacaac	tttgggaaaa	actggaccaaa	ctaagtctga	taaagcaggg	92880
gttcccaacc	cctgagccac	caccagtaca	ggtccttggc	ctgttaggag	ccaggccgca	92940
cagcaggagg	tgagtggcg	gtgagttagt	gaagcttcat	ctgcatttac	ggccactccc	93000
catgctcaca	gtaccggctg	agctccccct	cctgtcagat	cagcggctgc	attagattct	93060
cataggagtg	caaaccctat	tgtgaactgt	gcatgtgagg	gatctaggtt	gcacgctcct	93120
tataggaatc	taatgcctga	tgatctgcca	ctctctccca	tcgcccacag	atgggaccat	93180
cttggttgag	gaaaacaagc	tcagggtctc	cactgattcc	acattatggg	gagttgtata	93240
attatttcat	tatagattac	aaagtaataa	tgatagaaat	aaagtgcaca	gtaaatgtaa	93300
tgactttgaa	tcactctcaa	accatgcccc	caccccatcc	ctggtccatg	gaaaaattgt	93360
cttccatgaa	accagtcctt	ggtgcccagg	aggttgggga	tcgctgctat	aaagtcaaac	93420
agccaagata	tcaaccagg	ctcctgctct	caagtctagg	gctgttttag	ctacaacatg	93480
ggccccctca	ccacattgtg	tttctgggtta	actgtgtcgg	gcagcaagtg	gagaggaact	93540



ggaaatttct	caacttggct	ctaaatgaga	ccaaagagaa	aaaccaaata	gtgatggcag	93600
acaacagatg	gtgagagggc	tcactcctcc	aggcggttaa	tgatgccctg	ggcaagcttt	93660
ccgaatttaa	tcaccagagc	gattctggac	tatgcttcag	tccagaatac	tctgattgtt	93720
ctaggatccg	ctggaatttt	cctctggaat	aactcaagggt	cagttctaac	aggtctaagc	93780
agcagcatga	gcattgaaga	catggaacag	tagcaaacag	tcaccatctt	caagggggaa	93840
tgagagcact	gacttccaat	ctaagagcct	tttttttttt	tctttgagac	agagtcttgc	93900
tctgtcacc	aggctggagt	gcactggcac	atctcggctc	actgcaatct	ccgcctctca	93960
ggttcaagt	atcctgggtg	ctcagcctcc	caagtagctg	ggattacagg	tgcacaccac	94020
catgccaggt	taatttttgt	atttttagta	agagatgggt	tttcaccatg	ttggccaggc	94080
tggtttggaa	ctcctgacct	aagtgatcca	cccaccttgg	gctcccaaag	ggctgggatt	94140
ccaggcatga	gccaaacgat	ccggcccatc	taagggtttt	ttaatgacct	ggtatagctc	94200
accaaactcc	acgtggggaa	gcctcctatc	gactcaagat	gtcagtttat	tcaggcattt	94260
cccaaagtgt	tgctttcaaa	ggtaaaattaa	acttcattat	ctaaatgagc	agttttctgc	94320
ttgggtcaaa	ctatagctcc	aaaatgcttt	cataggtggc	agacatttaa	gaattttcag	94380
ccacgcacgg	tggtctatgc	ctgtaatccc	atcattttgg	gagactgagg	caggagaatc	94440
acttgaggcc	aggagtttga	taacagcctg	ggcaacacag	caagaccca	tctctacaaa	94500
aaaattaaaa	aattggccag	gcatggtggc	atgtgcctat	agtccccact	actcaagggg	94560
ctgaggcagg	aagatcactg	gagcccagga	gttcaaggct	gcagtaagcc	atgattcatc	94620
actgcactcc	agcctgggca	acagagtga	agcccgtctc	ttaaaaatac	atatatatatt	94680
ctcggccggg	catggtggct	catgcctgta	atcccagcac	tttgggaggc	cgaggtgggt	94740
ggatcatttg	aggacaggag	ttcgagacca	gcctggccaa	catggtgaaa	ccccgcctct	94800
actaaaaata	caaaaattag	ccaggcatgg	tggcgggcac	ctgtaatccc	cgctactggg	94860
gaggctgagg	caggagaatc	gcttgaactt	gggagacaag	gttgcaagtga	gccaagattg	94920
tgccactgca	ctccagcctg	ggcaacagag	cgagatgctg	tctcaaaaaa	aaaaaaaatt	94980
aagaataaga	aaaatctatc	ttctgctctg	ctcttggcca	gctcacttga	tttcttttaa	95040
aaaataaaaa	taaaaggaga	ccctgtgttg	gttttttagaa	gtccaaaaca	ggaacaaatg	95100
gaaagcaata	gtcattgaat	gatgacaaat	tctggtttgt	tggacactgt	cagaaagcct	95160
gtgcttataa	ttttcttgat	aaatatagcc	ccaggttcaa	tcaaaggcat	aatcaacgga	95220
cttcaataac	ggatgtgatg	atgaagacaa	cagatggcat	cggaattatc	tgacgccacg	95280
ggagaccaca	aacacacatt	tcatatgat	tctgatcacg	atcctaggct	acaggggaga	95340
gagagaggct	cccactgctg	tgccaaggag	tcaaactaac	atagggcaga	ttttgtactt	95400
tttattaaca	tctgaagcaa	gtttctctca	agaaaggatt	aagaagatga	gtcatctata	95460
agcagctgat	ggacactagg	gttcttctat	ttcagccagc	gaagagggtga	ggggatgtct	95520
gtgccgtggg	agggtgaggg	gcatcagcct	acctgcttct	aagactctca	atgaccaggc	95580
tatgccttgg	aacaactaga	caagactctg	gctgtaagac	caggccccag	cattttcttt	95640
aaagtctctc	atgtgattgc	aataggcagt	caaggctgag	acgcggaagc	atggggggat	95700
gttggcctgg	tgcaagatgg	acacattgcc	tccaacttct	ggctacttct	gtaaaggctg	95760
ttgagggata	ttagtcagtg	ctcaatcggg	gaagcagggg	cactacgtgc	tctggggcaa	95820
gggatgcgtt	ataggaatta	gaccttctac	aattgtccag	ggagctgggg	agatggcggt	95880
ctgggaaggg	tggagaggat	gagagaagtc	accgacagct	gatatgagag	tcagatgcgt	95940
ccagctgtta	agatggagtg	gcagagggga	aacaggtaga	ggggtcccta	gggggtgct	96000
gcctcgtctg	ccaagcatcc	agaggcgggg	gggctgctgt	tggtcagcag	gccagcggt	96060
caggaagaca	agctgcaagg	gacacagggg	agggtaggga	caagctggaa	cctctgtggc	96120
ccctctgtca	gatcacctcc	ttgtctcatc	tggacagcct	tcaaagagta	aacactgatg	96180
tcaccttcc	tccacttccc	aaatctcccg	caccatcctc	ttctgcctac	ttttaacca	96240
caaccctaca	gggaaaagga	tatggttttg	ctctgtgtcc	ccaccaaata	ctcactgcaa	96300
attgtaatcc	ccacgtgtcg	agggagggaa	gtgattggat	catggcggca	gtttctcca	96360
tgctgttctc	gtgataaagg	gtgagttctc	atgagatctg	agggctttat	aagtgtctgg	96420
catttcccc	gctggctctt	attccctcct	gctgccttgt	gaagaagggt	cctgcttccc	96480
cttctgccat	gattgtaagt	ttcctgaggc	ctccccagcc	atgcgaaact	gtgagtcaat	96540
taaacctctc	tattttataa	attactcaat	ctttggattt	ttttttttcc	agtgtgaaaa	96600
tggactaata	caaaatggga	tatgggaaat	aaagttctcg	gtatagctaa	gctttctttt	96660
ttcttttctt	tccttttttt	ttttttttga	gatggagtct	tgctctgtcg	ccaggctgga	96720
gtactgtggc	acgatctcag	ctcactgcaa	cctccgcctt	ctgggttcaa	gtgattctcc	96780

tgccctcagcc	tcctgagcag	ctgggtctac	agggacacac	cactgtagtc	acctaatttt	96840
tttttgtatt	tttagtagag	atgggggttc	accatgttgg	ccaggatggg	ctccatctct	96900
tgacctcatg	atccaccac	cttggcctct	caaagtgtcg	ggattacagg	cgtgagccac	96960
cgcacctggc	cctctttctt	ctttttgaga	cagagtctca	ctctgttgcc	cagactggag	97020
tgcaagtggca	caagcatagc	tcactccagc	cttagactcc	tgggctcaag	caatcctccc	97080
acctcagcct	ctagaatagc	tgaagctaca	ggcatgcacc	actatgcccc	gctaattatt	97140
tagttttttt	gtagagatgg	ggtcttgcta	tgttgcccaa	gctggctctg	aacttctagg	97200
ctcaagcgat	cctcccacct	aagcctctca	aagtgcaggg	attacagggtg	tgagccactg	97260
cattcagcct	aaatttttaa	tagaatattg	cagcacagac	tagaaggaa	agaaatccac	97320
tcaagctcac	ttgagaaaaa	tatagtttag	taaagggtga	agaaaatgaa	gggaaatgct	97380
agcatcttga	cagatggtac	ccatatgtat	cttggggaga	taatggtttt	tgcttggaat	97440
tatggcttga	caaacacctg	gggtggtact	tgcaagagct	cagcataaat	tggtgccgtg	97500
gcttcttaga	agagggcaaa	gctgctgtgg	ataagacagg	agaagtaagt	gtcttccctg	97560
gaatggaggg	agctgagata	aaggagaaga	gaaaaagagg	tgatgaaact	ggaccccgtg	97620
tgtggaaaag	gccaagaaaa	aggaaaccac	cccactgcct	tatggcacag	ggtggtgaaa	97680
aagatcttgt	taaccaggaa	tgtcaaattg	ggatttctag	ttctcctagt	tatggccata	97740
tggaataccac	gatgcccttt	actggaacat	tgactttttt	tttaagacag	agtctcactc	97800
tcttgcccag	gctggagtg	agtggcacia	tctcggtcca	ctgcaacgtc	ttcctcccgg	97860
gttcaaggga	ttctccagcc	tcagcctccc	taatagctgg	gattacaggc	atgtacctcc	97920
acaccagct	aattttctgta	tttcttagta	gagacagggg	ttcgccttgg	cctcccaaag	97980
tgctaggatt	acagacgtga	gccaccgcgc	ctggcctttt	cttttttttt	tttttttttt	98040
tttttttttt	gcaattaaaa	aaaaaatcaa	ggtctttgca	gggctgtggc	tggggctagt	98100
cctctggggc	tggagggaca	gttacatggt	gagccaggag	acgattgtca	ctggtcatgg	98160
tttttaagct	gtctgctgtg	aagagatcaa	tgacaccctt	tttgtgatcc	tcattgtatt	98220
gctcctcaaa	tgacctgtgg	gagtaggata	gggcattgtt	ttattctggt	gttatggaaa	98280
ccagtgaagc	atctgagttt	catattcagt	tggatggagg	tacaggactc	aaggaaccaa	98340
gcctaggagc	agagaagact	tgaggatgga	agcccctgga	aatgtacaga	cattgtacag	98400
ctggattttg	gatttcccta	ggcgggtggca	acacgggggtg	ggaggatatt	ctccaagggt	98460
ctggagaaa	gatgcgcagg	gttgaacaag	gtgcacaatc	ttatggacta	cccagttcat	98520
ctggactgca	atgggaatgt	catggctgag	ttccttctct	gctttcaaag	gacactgtct	98580
ctcttgttat	ctttgaggca	gacgctctgt	cctctttccc	ttcaaagact	ggctttctct	98640
gcttatgcat	agacttcggt	ttgcccactc	ctcatcatcc	acctgggcta	atctctctgc	98700
atcccaggag	aaagactctg	attggcccag	actgagcaaa	tttggaccaa	tcagagagga	98760
gtgaggagag	gctcaagccc	ccctacacct	gaggctgcta	cttgggtcca	gctactcaga	98820
aggctgacgc	aggaggattg	tttgaacctg	ggaggcagag	gttgcaagtga	accaagattg	98880
aaccactgca	ctccagcctg	ggcaacacaa	tagactctat	ctcaggaaaa	aaaaaaaaaa	98940
agaaagaaac	gaacttcctc	ttccacgtaa	tatccttcag	atatttttag	acaaatctta	99000
ggtgcccctt	gagacttctc	tcgtcggttc	aacaaccttg	acatggaaaa	gatcatcatt	99060
ccaccctcta	atctccccct	tctcttgtgt	ctcctcttcc	aaacaaagaa	accagtgtct	99120
acacttatgc	ctgtatctat	ccattttcaa	actcaatttc	ttcctgggtg	ttaaaggaaag	99180
taacatttaa	tgagcactta	cgtggttagca	ggcactggac	tgagcactta	atatgcttga	99240
tctcttttac	tcctcatgac	caccctgcga	gatactggat	gcatggctat	ttaacagatg	99300
aggccaccga	ggctcagaga	aggtaagata	tttgtgcaag	attgcacagc	ctataaatgg	99360
cagaggtaga	atgtaaatct	aggtgtaatt	taatccggag	caagtaaaca	cacttaccag	99420
gcacgaggtc	tatttatcag	aaagcaaccc	catccaagac	caggatatct	agtaatgaaa	99480
aaacagggat	ctggccaggc	gcggtggctc	acgcctgtaa	tcccaacact	ttgggaggcc	99540
gaggcgggca	gatcacgagg	tcaggagatt	gagaccatcc	tggctaacac	agtgaacccc	99600
tgtctctact	gaaaatacaa	aaaattagcc	gggcatgggtg	gcaggtgcct	atagtcccag	99660
ctacttggga	ggctgaggca	ggcgaatggc	gtgaacctgg	gaggcagagc	ttgcagttag	99720
ccgagatcgt	gccactgcac	tccagcctgg	gcgacagagc	gagactccgt	ctcaaaaaaa	99780
aaaaaaaaaa	aagaaaaaga	aaaaaaaaag	gccgggcata	gtggctcaag	cctgtaatcc	99840
cagcactttg	ggaggccgag	gcaggcgaat	cacgaggtca	ggagttcaag	accagcccgg	99900
ccaatatggt	gaaacccggt	ctctactaaa	aatacaaat	agctgggagc	agtggcgggt	99960
gcctgtaatc	ccagctacta	gggaggctga	ggcaggagaa	tcgcttgaac	ccaggaggca	100020

gaggttgacg	tgagccaaga	tcaagccact	gcattccagc	ccaggtgaca	gagtgagact	100080
ttgtctcaaa	aaaaaacaaa	aaaaacaaaa	aaacaaaaa	gggatccctac	cacgtttggc	100140
agaacccaac	caggaatgtc	ttggattgat	ctaataaac	ttgagatccc	cgaggagttt	100200
aggggactga	ggacagacac	agtagactgg	aattccagga	gacaacaaga	tctaagtaac	100260
tgatggctca	atgaatagca	gccaattaca	taacatgaaa	tatgtaagtc	aggatattgc	100320
cttaaggggg	tgctcgggaa	tctggttggt	tagaccaaa	acaccaaggc	agctctgcta	100380
agtcacttgc	agttttattc	cctcccattt	ctctttgggc	atcctgtcct	agaactgtca	100440
agaaagggtt	ggtattttat	ttgaaggaaa	atgtgggaag	gaggctcagc	caagcattat	100500
cctattcaat	tcagaccatc	acgtgatagg	gacaagccct	tctcaatctc	tgctgccact	100560
cacatcagca	gctttccaga	aataagcaaa	gggaatggaa	aaacccttaa	tcgccaggcc	100620
acggtacatg	caatttactg	gtatctattg	ccctgtcttt	ctaagaagct	tcttttttgg	100680
gagatttcaa	aaaaatgatg	agaacccggc	acaggatgaa	gctatgaggg	tgcccatgt	100740
agtgtgtcat	cttccccctt	ccccagcctc	accagggccg	tctctgtcat	tggtgtgccc	100800
acactgtggc	tcctgtctctg	ggcttgggccc	ttatatgaat	tgctgtggct	actcaatatg	100860
gtagactgaa	gaatggtccc	tgaagatata	catgtcctaa	tgaacctatg	aatctgttac	100920
cttacacggc	aaaagggtatt	ttggggccagg	catggtggct	catgcttcta	atcctaggac	100980
tttaggaggc	ctaggcggga	ggatcacttg	aacctaggag	ttcaagacca	gcctgggcaa	101040
ggtgatgaga	tcccaactgt	attagtccat	tctcatgctg	ctatgaagaa	atacccgaga	101100
aggagtaact	tgtaaaagaaa	agaggtttaa	ggctggggcgt	gatggctcac	acctgtaatc	101160
ccaacacttt	gggaggctga	ggtggggcgga	tcacgaggtc	aggagtgtga	gaccagcctg	101220
gccaacacag	tgaaaccccg	tctctactaa	aaatacaaaa	aaaaattagc	tgggcatggc	101280
agcgggtgcc	tgtaatccca	gttacttggt	aggctgaggg	gaataattgc	ttgaacccgg	101340
gaggtggtgg	ttgtagttag	ccaagattga	gccactgcaa	tccagcccag	tgacagtgcg	101400
agactccgtc	tcaaaaaaaa	aaaaaaaaaa	aaagaaagaa	gaaaagaggt	ttaattgact	101460
cacagttcca	catagcttgg	aaggcctcag	gaaacttaca	atcatggcag	aagggttcctc	101520
ttcaccaggc	ggcaggagag	agaatgaatg	ccagcagggg	aaatgccaga	tgcttataaa	101580
accatcagat	ctcatgagaa	ctcactatca	tgataacagc	atggcgcaac	caccacatg	101640
attgaattac	cttcacccgg	gtccctctca	tgacatatgg	ggattatggg	attacaattc	101700
aggataagat	ttgggtgggg	acacagccga	actatgtcac	catctctaca	aaattcaaaa	101760
attagctatg	tgtggtggca	cgtgcctgtg	gtcccagctt	cttgggaggc	tgaggcagta	101820
agattgtttg	agcccaggaa	ttaaaggaag	caatgagcta	tgaccgtgtc	actgcactcc	101880
agcctggaca	acagagcaag	acttcgtctc	tgaaaaatat	atatttttaa	aaaggaaatt	101940
tgacagatgt	attaaattaa	ggggctcctga	gatggggaga	tcatcctggg	ttatccaggt	102000
gggcccctcaa	tgtcatcaca	agtgcacctc	cccatattatg	cctgaggttg	caattttttg	102060
aatgttgagaa	atcagacctg	gtgatagcct	tgagaagtag	catataaata	actcccacat	102120
gcttagtggt	ccaataatgg	aatgctaggc	atacatttaa	gagaaaaaca	gagggatttg	102180
acacagaaga	gcaaaggcga	caggatgacc	tcaatcgaga	gggactggac	tatgccatgc	102240
tgctggcttc	ggagatggag	gagggaaaca	caagccaaga	aatgcaaaga	gtacggttct	102300
agaagctgga	atgaatgagg	aagaggcttc	tcctctagag	cctccagaaa	gcacggctct	102360
gccaacacct	gatttcagct	cagtgaatc	gatttcagac	ttccagcctc	cagaactgta	102420
agataaaaaga	aatgtgtgtt	gttttaacac	atgttcagct	gtttgttaca	gtagccacag	102480
gaaaataacg	cacttagctg	cattatcact	ctgttccttc	ctatgaatgg	accactgtt	102540
caccctaacc	atcagagagc	caggcagttc	tcaccacca	gacctgccac	atggaaggga	102600
acccttgaga	ttatgtgacc	gtgggagaag	caggaagatg	agccctcatt	aattcattca	102660
atcaatcttc	actcagagtg	cctacgctga	gtttggctgt	gtgctgggta	ccgtcaacat	102720
ttttgggagt	gaaaatagct	cagcctctgt	cctcatggag	gtcagcatct	aggaggagag	102780
tcagatatgt	aacatacact	cacaccaatg	aacacaaatt	tacaaaaggc	ttctaaggaa	102840
aggattgcag	ggatggtaat	gggacagggg	ctggggaagt	gctgggaagg	tgtccctcca	102900
gaaatgccct	agatctcagt	cctcgagggg	acagagttta	tcaggtgcct	tagtccattt	102960
gggctgccat	tctccctttc	ttagcctagg	tggtttataa	acaacaaaca	ccgccggggc	103020
cgggtgctcac	gcctgtaatc	ccagcacgtt	gggaggccga	ggcaggcgga	tcacgaggtc	103080
aggagatcaa	gaccatcctg	gctaacacgg	tgaaacccctg	tctctaccaa	taaatacaaaa	103140
aaagttagcc	gggcgtgggtg	gtgggcgcct	gtagtcccag	ctactcgga	ggctgaggca	103200
ggagaatggc	gtgaacctgg	gaggcagagc	ttgcagttag	ccaagatcgc	accactgcac	103260

tccagcctgg	gcgacagagc	tagactccgt	caaacaaaca	aacaaacaaa	caaacaaaca	103320
cttatttttc	atggtaaaaag	aggctggaaa	gtccaagatc	aaggtgtcag	cagattcagt	103380
gtctggtag	gacctcttcc	tcatagatag	tgagttctca	ctgtgtcctc	acacagtga	103440
agggagaaac	aagctaccct	gggcctcttt	tacatgggca	cgaatcccat	ccatgaggat	103500
ctgccccat	gacctaatca	cctcctgaaa	gccccacctc	ttgatattat	tacattggga	103560
attagatgtc	gacatatgta	tttaggggtg	atacaaacat	tcagatcata	gcaccaggga	103620
aggagagggg	ggtgggagga	gagggatcca	ggcagaggga	acatcacaaa	caaaaaggcc	103680
cccacggcag	gaggggacct	ggtgtgtgta	tcgggggggtg	gggaggtgga	gactaaaagg	103740
aggcccaagg	gagtgggtgtg	tgtgtgtaag	ggagggagct	gggggtgagg	aatggatgaa	103800
gaaaagaagt	tggagaagag	gtgtgagcag	atccagcaag	atctcatggg	ctttatcatg	103860
ctaacaaatt	ctggaaggtg	tttgctatgg	tgtaaagtgt	tatgactctt	caaaattcat	103920
gttgaaactt	aattttccaat	gcaatagtat	taaggggtga	gggccattag	gaggtgggat	103980
cagtgcacta	acaaaagtgc	tcgagagagc	aagttcagtc	ctttttgcc	ttctgtccat	104040
tctgcttgtg	agaagacggg	gcccttcctc	tctggagatc	acagaagcaa	ggcgccatct	104100
tggagcaga	gaatgagccc	ttctaagtat	ggaactgtct	ggcatcttca	tcttgactt	104160
cccagccaga	ctccagaact	gtgagaatta	aatttctatt	tataaattac	ccagtctaag	104220
gaattttgtt	acagcaacag	gaacggacta	agacagtgtt	taaactctgag	agttataatc	104280
agattcacat	ggtgagaaaa	tccctctggc	tgcaggacag	agatgggcat	gtgaacctgg	104340
gtggtggcca	tggagatgga	gaaagatgga	cagctgagca	ttattttagg	aggtaaaaca	104400
aacaccagtt	gatgatgaac	tgaatatatg	aggtggaggg	ttgggagggg	tcaagaatga	104460
tgtctaattt	tggaaatttga	gatttccatg	gatagatggg	gatgcttgac	catttgctga	104520
gctagggctg	gtgggtattg	ggactagatg	gggggatcat	gagtttgact	tggacagatt	104580
gagttacagg	tatctttgag	acatttaagt	ggagatatca	gatactgtac	cttcccctgc	104640
ctgtctttct	cagcattttc	cccttagaaa	tgtgtgtcca	aaaagaaaaa	taccgtgtga	104700
ttccacttct	ttttttttta	ttttattttt	tgagacggat	tctcactctg	tagcctgagc	104760
tagagtgcag	tggcacaacc	tcagctcact	gcaacctctg	cctccaggta	tcaagtgatt	104820
ttcatccctc	agcctcctga	gtagctggga	ctacagggtg	gcgccaccac	gcctggctaa	104880
tttttgggat	tttagtagag	acagagtttc	accatgttgc	ccagggtggg	ctcgaactcc	104940
tgagctcagg	cgatccaccc	accttggcct	cccaaagtgc	tgggattaca	ggcgtgagcc	105000
acagcgctg	gcctgattcc	tgttttatga	agtatgtaga	gtcatcaaaa	tcagagacag	105060
aaagcagaat	gctggttacc	aggagccagg	ggaaagggaa	aatggggagt	gagtggtgaa	105120
tggtagagag	tttcagtttg	ggaagatgaa	aaaaattctg	gggagggatg	gtgatggtta	105180
cacacagtat	gaatgttctt	aatgacatag	aactgtactc	ttagaaatgg	tttcagatag	105240
taaatattat	atataattttg	ccacaattta	aaaaatagaa	gtgtgtgtgc	aaactacata	105300
taagtgtgca	taaaatgttt	tattttttata	gtaaaattta	tataaaatat	actataataa	105360
taataaaaata	taataaaaata	tgattttatta	tatttttatta	ttatttacta	ttatttcata	105420
cttcatagaa	ttattattat	attattttta	tgggaataata	aagcagttat	tttcccaaca	105480
tcctacttaa	gtaaaaatct	gtgtgtgact	tttagacggc	cccgtgtgcc	ccattccctc	105540
atatttttct	cattccctca	gaggtaggca	ctatcacaaa	cttgtggtaa	tgctttttat	105600
ttttatcatt	taccacccat	atatgaagcc	cggaaacaatt	atatttttta	gttttttttt	105660
tttttttttt	ttgagatgca	gtctcgctct	gttgcccagg	ctggagtgca	gtggcgggat	105720
ctcagctcac	tgcaacctcc	acctcctggg	ttcaagcgat	tctcctgcct	cagcctcccg	105780
actagctggg	actacaggca	tacaccacca	caccagctca	atttttgtat	ttttagtaga	105840
aacgggggtt	cgccgtgtta	gccaggatgg	tctcaatctc	ctgaacttgt	gateccacca	105900
cctcagcctc	ccaaagtgtc	gggattagag	gcgtgagcac	cacgcccggc	ctatattttt	105960
tactttttata	cacttttatat	aaacctgttg	ctcaacatct	tgtttttgag	atgctttcat	106020
gttcatacct	gttgctcatt	cattttttcac	tgctgtatag	tattctgtgg	tacagctaga	106080
ccacaaacga	ggcagttatg	aacatttctg	aacatgcctc	ctgatgctca	tgtgtagttt	106140
ctctagggca	gtgctgggtga	atagaatgtt	ctacaacaat	agaaatgtcc	tatacaaatg	106200
tatgctttcc	aatagggtag	ccactagcca	ttatttacta	atgagtgtct	gaaatatggc	106260
tcaggctacc	gagagactga	atttttacatg	ctattttaatt	ttaatttaatt	taaactgaaa	106320
tagccacatg	aagctactgg	ctaaccaggg	gtagaccag	gagcaaaaact	gcaggttata	106380
atcacctgtt	catctttact	aggtaacaat	gaactgtttt	ccaaagagat	aaggccaatt	106440
tccttatatt	ttcattttat	ccaacttgc	aggtctttgc	taacctgata	aactatccaa	106500

atgaaaat	ctgagaataa	aaagggctct	atcagtcagg	gttctccaga	gaaacagaac	106560
caatactact	gaagagattt	attttatttg	ttttttcttt	attcttttct	tttttctttt	106620
tttttttct	gagatgggat	ctcactctgt	tgcccaggct	ggagtgcact	ggcataatct	106680
tggctcactg	caacctccac	ctcccaagtt	caagcgattc	tcctgcctcg	actttccgag	106740
tagctgggac	tgaagcaca	cgccaccaca	gccggcta	ttttgtattt	ttagtagagg	106800
cagggattca	ccacattggc	caggctggtc	tcaaaactcc	tgacctcaaa	tgatctgccc	106860
accttggcct	cccaaagtgc	tggaattaca	ggcgtgaacc	actgcacctg	gcctggaaaa	106920
agatttatga	taagggaattg	gctcatggga	ttttggaggc	caagaagtcc	caagatctat	106980
aggtggcagc	tggagaccca	ggagagctga	cgggtgttaag	ttccagtgca	aaggctggca	107040
ggctcaagac	ccaagaagag	ctgatgtttc	agtttgctgt	caaaggccgg	aaaagaccca	107100
tgtcccagcc	caagcaatca	ggcagcagga	gttccctcct	actcaccctt	tctgttgtag	107160
tcaggccttc	aactgattgg	acggggccca	cccacctcta	cattagggag	ggcagctctgc	107220
tttactcagt	ttaccaattc	aaatgtta	ttcatccacc	aatgctcttg	cagacacata	107280
catcgaagaa	tctttggcca	aacatctggg	aaccctgtgg	cccactcaag	ttgatgcata	107340
aaattgataa	tcaccagggt	cttacctggg	aatctccctc	ccaacccaat	ggagtctagg	107400
tggttcagag	gtggtcctct	gagcagaatg	taatacagtt	ctaggaagac	ggaacttcta	107460
gagagtattt	tccttctcga	aacttggtct	gaccatgaaa	ggcaactcgt	agcagcaaga	107520
gcttgtcaag	tacagaacat	ttatttgatt	tatttatttt	ctttgacaca	gagtctcatt	107580
ctgtcaccca	ggctggaatg	cagtggcaca	atcttggctc	atggaaacct	ctgcctccca	107640
ggttaaagca	actcttgctg	ctcaagcctc	tcgagtagct	gggatttcag	gtgcacacca	107700
ccatgcctag	ctaatttttt	tgtattttta	gtagagatgg	ggttttgcca	tgttggccag	107760
gctggtctgg	aactcctgat	ttcagggtgat	ccacctgcct	cagcctccca	aagtgcggg	107820
attacaggta	tgagccactg	cgcccagact	aacatgtatt	tctccattca	atcaacacag	107880
attcccacct	tcctccccac	ctcccagtac	atttagaaat	tcaggaggag	ggtccttcca	107940
ttcagaagtc	tagcttagaa	attctccctc	ctctctcctc	cctttagtct	ctccgtttct	108000
tcttccttcc	tttcctcccc	ctacacccca	acttcttgta	tattttgtcc	aagacaaact	108060
gcttcttaga	tcttctgcaa	ttaagggcat	ctcttcccat	ccgatatgta	cagtggcccc	108120
ggcaatggtg	acctgttcct	ggaagatgct	atttaaaacc	ctgtgtgcaa	ctaaagtgc	108180
gcagagctcc	tgaatgtggc	tgaatgtgt	caagttacat	aaacgcacat	gcttcatttt	108240
gcccttggct	tgaagctctt	cctaacagac	ttcagaatta	tcagctcatt	aaaggggaaa	108300
aaatgcaggt	ttataaaaaa	atcttaaaata	atcatcataa	taaaatcaag	gccccagggt	108360
agagttgcac	ttaatggttg	agagccactc	tcaagagagt	tggcacctcc	caagaggatc	108420
tcaaggaaac	cacagtgaat	cccatcttct	cttggggaga	ggaatatttt	ctgggaattc	108480
tctggagaca	accataagca	gccctgatgc	cctactctcc	cacgaagcac	aatgttaaca	108540
atgaaaggaa	agaagggaat	tttgaattgc	ttactacctc	ggaagggcc	cccaatttca	108600
tacctgtgtc	tgttttcatc	ccttgctatg	atgctgcagg	gagatatcac	tgtccccctt	108660
gtactgatgg	ggaagccgag	gctgaaacag	gacaaagtat	ttgctccagg	ccacacagtt	108720
ggtaagaagt	agaattcaaa	gctagttgag	agacccca	gcttgatgac	tgagaccatg	108780
gactctgtga	tatgcaagag	aggtgatagg	aagggaagg	catggtcgct	ttaaatgcta	108840
cagaagggaag	gaagggaagt	gctgggtaga	ggagggtgtg	gtccctggta	agggctccac	108900
ccccacgcct	gtgccacag	tcctaggtga	ggacaggcat	ttttgttttc	ctgccccaat	108960
gttgcatctc	ccaagaccac	cctggcctgc	catgccccca	tcctgtatct	ataaaaaacc	109020
caagacccta	gcaggtgaca	cacaagctgc	tggacgtcaa	gagctgcaga	tcggcaaaga	109080
agacacaagc	gtctggatgt	caagaagacg	tcaagaggaa	cacgctggca	gaagagcaca	109140
tgacagatgc	tggcaggcca	tctactggcg	gaacaaagtg	gagtttggcc	tgggcagtcg	109200
gaggagtgc	caggctgctg	ggcgccctga	ctccaggggg	aaaccttccc	actccatccc	109260
cttctggctt	cccccatctg	ctgagagcta	cctccactca	ataaaacctt	gctctcatte	109320
tccaagtcca	ggtgtgatcc	gattcttctg	gtgcaccaag	gcaagaacct	aggatacaga	109380
aagccctctg	tccttgggac	aacgtagagg	gtctaattga	gctagttaac	acaagccgcc	109440
tatagatagc	aaaactaaaa	gagcaccatg	taacacacac	acactgaagc	ttcaggagtt	109500
gtaaacatcc	acccttagac	actgccgtgg	gatcagatcc	cgacaactgg	cccatctcta	109560
tgggtccccta	gaggtttgag	cagcggggca	ctgaagaagc	gagccactcc	gacatcacac	109620
accctgcgag	ggggacaagg	gaacttttcc	catttcatct	ggacttagaa	tgctatttca	109680
tggaaactgt	acaaccatgg	gcaagagact	tgacctctca	gtgcctcagt	ttctctcatct	109740

ataaaataaa	ggctatgtga	tattttctgc	ctggatggtg	atagtgagga	ttatatgaat	109800
caaaacaata	aaacactaga	aaactagcca	gcatagaaaa	tgttttaaaa	gaactgctat	109860
ctacaatgca	cacacttttc	gtgtgtgtgt	gtgtgtgtgt	gtggttttca	acacaatgca	109920
tgcactatta	ccccattttg	aatctctgcc	aggttcccag	ggcctgtcct	ctttaccaca	109980
cttggtagct	cttaataaaa	cgaagttact	ggatttcaag	cccaggctct	ggaaatattg	110040
gaactcaaag	gctgtgctct	tgaaatatgt	ccttcgcacg	cctaccttcc	ctgcctgctg	110100
cagttctgtc	tctggctgat	taaaacctgc	ttttgccag	agcaagctga	gtggcagggc	110160
atgctatccc	tttttatgaa	aatccagcaa	gcgggtgtaa	aaggaagata	accacacccc	110220
tgccccatgt	ggaggccaaa	gatacttaat	tatctgaaac	ccagataaac	agcaggagcg	110280
ggttggtaga	ctagatgtgg	aaaagctgaa	gcgagccaga	ggggctgcaa	gaagaattat	110340
taaaaactaa	tgatgtgatt	cagtgtctga	aggaaggcga	gaaaatgagt	ctgaggttgt	110400
tgacagcctc	tgagagttct	tgctgtcagt	aagatggggg	caggatgggt	agggagatgg	110460
ggtagcagtg	ggaggtacta	ggaggtgggt	ggaacatagg	gtcaagaagt	gagaaaacac	110520
aggcgtttca	agcattatct	gccagatggt	tgctgcctgt	tttccggagg	cagttttgtg	110580
ttactgcctc	gttccagtaa	agttgataaa	attgccaaag	ctcaagaaag	agatctctaa	110640
atgccatttt	gcacattgga	aaccaggggt	caagcaaaag	gaagtcagca	agggaaacaca	110700
cactggaaat	tcagagttag	gagcacactc	agagttcaca	cctgcctgct	gggagctcac	110760
ttatggctgg	tctgtgaact	tgacctcctg	ggcctgattc	agggcaagtg	ggtgtcctgg	110820
ggtgggggtg	ttcctgatgc	atctttctgt	tagtaagcat	ttgatgtggg	ttatgtgagc	110880
atgtgtgtaa	agggccttag	acaagcctag	gtccacaata	aggggtctgt	aaatgccaac	110940
tgttgtgggc	cttaagagtt	attacgggaa	ccgggttctt	tttctacagc	acattcccag	111000
cagactgact	tcacaaaact	tgactgtctg	cattggagct	catcattttg	gtctctgaaa	111060
taaaacgttt	atgtgcagag	aaatgggtgat	actgaaacac	cagggggttg	gtctaggtcc	111120
tgctgtctgc	cgcatagaaa	gcccattcact	gacaagatga	gtattgccaa	ggaagatttt	111180
aatgtcgtgc	tgacagcaag	gagatggagc	tcagtctcaa	atccatctcc	ctgaccaact	111240
aaaactagga	gtttacatag	cagggaagaa	atgtaacaat	gtataagaaa	acaggaactc	111300
gggaggagca	aggaagcaat	catgaagaaa	acaggaactc	gggaggagca	aggaagcaat	111360
catgatgaat	gaggggtctg	gtatctcatc	tctggatgtg	gtaatctggg	gagtttcagt	111420
tctttgatatt	tttttgagag	gcctgggggt	cccttcctga	ggaaataact	cagataagac	111480
aaatgagggc	ttcaagcttt	aagatcagaa	aggtcaactt	ctgtatttat	ccaaaagagt	111540
atctatgggc	cgggtgcagt	ggctcatgcc	tgtaatccca	gcactttggg	aggccaaggc	111600
gggaggatca	cgaggtcagg	agatcgagac	catcctggct	aacacggtga	aaccccgctc	111660
ctactaaaaa	atacaaaaaa	aagttagcca	ggcgtgggtg	cgggcgcctg	tagtcccagc	111720
tactcgggag	gctgaggcag	gagaatggcg	tgaacccggg	aggtggagct	tgtagtgagt	111780
ccagatcgtg	ccccactgca	ctccagcctg	ggtggcagat	cgagactctt	gtctcaaaaa	111840
aaaaaaaaaa	aaaaaagaac	atctatgatg	ggactattgg	gtcagtttca	atggtacaga	111900
aaagtccaaa	gcctgactta	gtaaaatctg	tccaagttcc	accacacaca	attcaacatt	111960
gcagaacaag	acaagaccaa	gtgtgggact	gggggcatct	aatcgggggt	ttgtccttgc	112020
gttgtaaaaa	agtaaggcaa	agagaaaaag	ggtcctggca	ttgagaataa	agataacaga	112080
acagcttaag	gttaagggct	ctgccccacg	agacagacac	cttgggttca	aatcctggta	112140
ctactttatc	ctagctgggtg	acctcgaaca	agtcactttg	cctctccgac	ctcaatttcc	112200
tcattcataa	aataaaaagag	atagaactta	ctctattggg	gttcttgcca	ggactcaaga	112260
agctaaaatt	aaggggtgaa	tgcatgcagg	ggacgtagca	ctcaggggtg	catatcagtg	112320
cccgcgggaa	acagcaactc	tgtgtgctcc	ctcatgtgtc	caaggtcaca	gaccaaggac	112380
gtcagagagc	caggatgatg	acctctgatc	ccacatctcc	cgagttctca	ccattccctg	112440
ggagtaggga	aatctccctc	ctcttcttcc	tactgtcgt	ggcaggaaaa	gaggaagaac	112500
aggcaggggc	tgtggatctt	gggggaaaag	acaagttaaa	tcagctgaga	aaaaggaagc	112560
ccatgaaata	atctaaatgt	gaggggtcca	gagctttggg	gctggggcag	gcagtcccc	112620
ccggactcat	gcttaaaaaga	gtcaatgcag	gctgggtgca	gtggctcaca	cctgtaatcc	112680
caaggaggcc	aaggagggca	gatcacttga	ggccaggagt	tcaagaccag	cctggccaac	112740
atggtgaaac	cttgtctcta	ctaaaaatac	aaaaattagc	tgggcatggt	ggtgggcacc	112800
tgtagtctca	gctacttggg	aggccgaggc	acaagaatcg	cttgaaccca	ggagacggag	112860
gttgcagtga	gccgagatcg	caccactgca	ctccagcctg	ggcgacagag	cgagactctg	112920
tcacaagaaa	taaaaataaa	agagttaatg	ctgcgagaag	cattggaagt	gagacacatt	112980

ctcaaccatg	aaataggggc	tgactcacat	ggctctctgca	gcagctgatg	ggcattaagg	113040
tgattacttc	gcagcaggtg	tgacaaaaca	aatctcaccg	cggctattac	actacggcca	113100
ccgggagctc	ttcagcccag	ggctgtcaca	ttcctgtcac	ttaaagcttc	ctcgcctgag	113160
cctgaaaatg	atcagtaggg	tctgaaattt	ttttctctcc	tactctgtgc	caagagtgtc	113220
tcacgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gaggattgtt	ggggtaagga	113280
tggagtgaga	aagaataatt	tattgcacat	ttgacaaata	ttcatgacac	tcagtgccag	113340
gcattgttcc	aaatgctggg	aagacgttgt	gaggaaattg	gataaggctc	ctgccctcat	113400
ggagtttata	aacttgaagg	aattatcttg	gtagtttata	ctcaaagctt	ccttccttcc	113460
tccttttctt	tcctcccttc	cctcccttcc	cctgtccgcc	tctccctccc	ctctccccct	113520
cccttctctc	ccactccctt	cctccttccc	ctgattcact	taataaacat	tctggagtca	113580
gactgcatcc	tagcttggct	acttattagc	taatgcagca	tcaggcaaat	tttgtaacct	113640
cccattactt	cccattccaa	atggagataa	gaacaggaca	cactcacagg	ataagcccca	113700
cagcttcggg	aaaaaccatc	tctgaggaac	agccaagaaa	gtgaattcaa	gcagggcctt	113760
ggctcaaagc	ctggttggct	ggagggctga	ggatgatgga	tgaggacttt	gtgcagatct	113820
gagcatactg	tgtcctttgt	cctggttgcc	ttagtgtcca	ccgtctatct	ctgagattga	113880
tgaggcaggt	gcaccactgg	gcaagctaca	caccatacaa	ggctgagcct	ggttggggag	113940
cgtcatcacc	atccaatact	gtctgttaga	ctccattcca	gcaagacatc	tgggggcctg	114000
gaaggggggc	cctccctctg	aaaatgtcac	agaatccctg	atctatgtcc	taacaacact	114060
caggtccttc	tgtatccttt	agataatttg	atttatccca	gggtctactg	ttgacatttg	114120
tccttaagtg	gtcagattca	tgggctagat	gaggacattc	aatgagatca	caagtcaaga	114180
gcttactgca	gagctgcctc	ttaagaaatg	ctagttattc	ttgtccttaa	gcctgggcta	114240
agtgcagggc	atgtgcacat	ccatacacac	acacatccat	atacatccat	accacatcc	114300
acacacgcac	acatccacac	ccacacacac	atccacacat	gcacacacat	ccacacgcac	114360
acatacacac	ccacatccac	acacacaccc	acacaggcac	acacacatcc	tcacacacac	114420
atacacacac	acagatccac	acacacacat	ccacacaccc	acacacatcc	acacacacac	114480
atccactata	cacatatata	cacacatcca	gacaccaca	tacgaacacc	cccacacaca	114540
tccacacatc	cacatccaca	cacatccaca	cacatccaca	caaatatcca	cacacacgcg	114600
cacacagtaa	aggtcagtaa	gtgcacagtg	gtaaccattg	ttcctgcagc	agcaccatta	114660
ggtaaaataa	aataaatata	tattttttaa	attttttaatt	tgtattttgta	ttttttaaatt	114720
ttttgtattt	ttgtagtttt	tttttttaaac	aaagggatct	tgatcttgat	tactttaaag	114780
caagactcat	gttctctgtc	ttccttttat	tttattatta	ttttgggata	gtttctctct	114840
gttgcccaga	ctggagtga	atggtataat	ctcagctcgc	tgtagcctcc	gcctcccagg	114900
ttcaaagtat	tcttgtgcct	cagcctccca	agtagctggg	attataggcg	cacgccacca	114960
cacgtggcta	aattttttgt	atttttacta	gagacgggtt	tttgccctgt	tggccaggct	115020
ggctctcaaac	tcctggcctc	aagtgatcta	cctacctccg	cctctcaaa	tgctaggatt	115080
atagatgtga	gccaccacac	ctggcctctc	tgtcttccct	ttaaaacaca	gggaggaaag	115140
gattgtttct	gaatgctcac	gtatcatttt	agcttatttc	cagacaaaag	ggaagatatt	115200
tcttagccat	gaagtggaaa	tgttctagaa	ccttccctcag	agatgtctgt	gaaaaggaat	115260
tatgcatggg	aagcatttag	ctcacggtct	tgcacatgca	aagggctgga	taaatgacag	115320
ctgtgaatac	tgcagttcat	tttatgtggc	gagagggaa	gtcatataac	gtcccagtga	115380
gagtatgggc	tttcaggagt	tgcaggctgc	agtgagctat	gacggcctca	ctgcattcca	115440
ccctggacga	cagagcaaga	ccctttatct	aaataagtaa	ctaaaaattt	ataaagaaga	115500
gggtgttttaa	aagcagaaag	agctgagctc	gaaccctaac	tccccattta	ctagctggga	115560
ggccttgggc	aggctgtttc	atttcttcaa	gcctcagctc	cctcatctgc	aaaatgggat	115620
gatcacagac	tcagcctctt	gggtgttgtga	aaaatcagtg	aaagaatagg	ggaggggcct	115680
agcctgccta	aaagatttga	tgttccctgt	gcttccagtg	gaggggtggg	gggtgggtga	115740
gctgacaggc	agcgcaggga	attttccagc	caggttgccct	cttaacctct	ggtttgggtt	115800
ggttttgctt	gtaacctttc	actgtttgtc	ggcaaaagcc	caatttttaa	aaaaactttt	115860
tcattttaat	ttgatgtttt	tatatttttt	gtatttttaa	tttttttctt	ttagcgacag	115920
gctctcactg	tgtctcccag	gttggagtgc	aatggatatga	tcatagtcca	ctgcagtctt	115980
gaacccttgg	gctaaaccga	tccccccacc	tcacctcctc	gagtagctgg	gacaaaggca	116040
cacacagcca	cacacagcta	attttatttt	ttgtagagac	agggctctgg	tacattgccc	116100
tgtctgggtc	tgaactcctg	ggctcaagcg	atcatcccgc	ctcagcctcc	caaagtgtct	116160
tgattacagg	tgtgagccac	tgcacctggc	cttaatttgt	gctttttaga	gacagtgcct	116220



```

ctctctgtca cccaagatgg agtgtggtga tgcgatcata gctcactgca gccttgaact 116280
ccaggactca agcagtcctc ccacctcagc ctcttgagta gctgggacca cagggtgtgca 116340
ccaccacaca ctcagagccc aacttttttaa atgagagttt gtcttgaaag actacctgca 116400
actcttcagg aatgctgtgc tctgtagata atgaacgttc aacctatgtg actctgatgt 116460
tgctagagac cccatcttgt tatttttccc cattttagaa atgagggaac tgaaattcag 116520
agagtccaag taacctgccc aagctgacag gcttaaaaaa aactcaggcc tatctgagag 116580
cagagtgtgc gctcgtgaaa gacaccagca cagggtacag cctctgcatt cccttccctc 116640
tttcttcccc gtgggtgata cagaaagaac aaaggttttg gagtcagatt ggcctgaatt 116700
caattccaac ttcagggtct tgcttaaaac aggagatgac aatatccact tccctgggtg 116760
gtgggtgagaa tcaaagagg cttttaaaaa cgtgcataat gcctttatct cagtgcctgg 116820
cacacagtag acgatcaaca aatattaggt tttcctctct cctccacaca cttctttcct 116880
tggccacatc cccaaaacac tcacatgaac ctgagctcag actcccggcg gaccaagact 116940
tcccggagac gctgaatttt tgccatctcc agctcaatct cctctggcat catggttgtc 117000
tccgccatgg agatgatgtc cagctgatct gtgcaggaga caggaaatac aaccatcagg 117060
accccaaggc tgcacctagg gacagacct gacatggttc cagggcacag ccttgctctg 117120
cgacctcat acaccttgag gacagacttc agcctgtgcc gcaaagtgtg attcgtgagc 117180
acaccctttg ggaaccagaa aatgtgtttt ccaaagtaat ttacttcgtt tgctttgttt 117240
tgttttgttt ttagacggag tctggctctg tgcgccaggc tggagtgcgg tgaagcgatc 117300
tcggctcact gcaagctcca tctcccagg tccagccatt ctctgcctc agcctcccga 117360
gtagctggga ctacagggtgc ccgacacctc gcctggctaa tttgttgtat attttttagt 117420
agagacgggg tttaccatgt tagccaggat ggtctcgatc tctgacctt gtgatctacc 117480
cgctcgggc tcccaaagtg ctgggattac aggcgtgagc actgcacccg gccttgtttt 117540
tgttttttga gacacagtcc tgctctgttg cccaggctgc aatgcagtgg tgtgatctca 117600
atctcagctc actgcaacct ctgcctctga ggttcaggcg attctccac ctgagcctta 117660
taagtagctg ggattacaag tgcacaccac caggcccgcg taatttttgt attttttagt 117720
gtgatggggt ttcacctatg tggccaggct gacgtcaagt gatccgccc cctcaacctc 117780
ccaaagtgtc gggattacag tcgtagggcc accacgcctg gctgggaact ttgttatgat 117840
ggctagtggg ggtcacaaag tgggctcaca aaagcctgat taaggccttg tcagctcctg 117900
cctggtccca gattctaagc ctctgctccc cctgaccacg accactttgc cctgtggtct 117960
aagcctctaa gaccagccga ctctaggcag aagaaagttt tatcataatt atcttatagt 118020
aatactacta ccaagtagtg ttaagtattt tttcatttgt tttggagact aggcctcact 118080
ctgtcatcca agctggggtg cagtgggtgca atcatagctc actgccgcct cgaaccctgg 118140
gctcaaggga cccctccgcc tcagtctccc aagtagctgg aactacaggc ccacctaggt 118200
aacttttttaa tttttatttt tttgtagaga tgggggtgtc actatgttgc caaggttgg 118260
ctcaaactcc tggcctcagg cgatcctccc aacttggcct cctgaagtgc tgggattaca 118320
agcgtgagca tacatacgga tatataaata tgtgtgtgta tatacatata tgaatatatg 118380
tggtttttta tatatataat atgtgtaata tacacagaca cacttttttt tcttttttga 118440
gacggagtct cgccctgttg cccaggctgg agtgcagtgg cacgatcttg gctcaatgca 118500
accttcacct cccgggttcg agtgattctc ctgcgtcagt ctcccaagta gctgggataa 118560
caagtttatg ccacgacacc cggctaattt ttgtattttt cgttgagatg gggtttcacc 118620
atgttggcca ggctgatctt gaactcctga cctcatgacc caccgcctc agcctcccaa 118680
agtgtagga ttataggcat gagccaccgc gcctgggcag acacacttta taaagactga 118740
aaaagtccac taaaatgtta gcagttaaaa tgttaataata tatgcgtgtg aatgtatatt 118800
tatactatta tatgcatata catatatcca ctgtgatgta ggtcttattt ttctaataata 118860
aagttaggac ctactattt cgttatgtgt tcttttcacc tagcaacatg ccttgagcgc 118920
tctgcctgt ccttggatgg tcttcctcgg cagcagcatg gaaggcgggg cggttttcta 118980
tttgtggctg tatcacgaag cacttaagca atccacagac atgtaggttg tttcctattt 119040
tttcccact gtaatcatga ggaaaaaaat gtaagaatta ttttcaccgt aagaatgttc 119100
cagtgaagaa cgttctcaaa gtgaaaactt cgcacacatc tacagggttc cttcgggcta 119160
tgtttctagg gtgaatggct gagatataag tgatgtgcta ttcaaggcct ttgatcggtg 119220
gtgggggaga ctcggggcag gagatgtttt tggcgtaccc tgagacacca tcacatcatc 119280
tgtatctgct aattccttcc acaccgcgcc ccaagatgga gccaccccca cacctcagtt 119340
ctacaagggc gtctgtcttt ttccttatac tcaaggaata atgaaagttg gtatacctta 119400
tacctatgat ttggaaagtt gttctctttt tcttttttct cttttttttt tttgagacgg 119460

```

agtatccctc	tgttgcccag	gctggagtg	agtggcaca	tatcggtca	ctgcaacctc	119520
cgctcccg	attcaagcag	ttctcctgcc	tcagcctcct	gagtagcttg	ggttacaggc	119580
tcgtgccacc	atgccagct	aatttttcta	tttttagtag	agttgggggt	tcaccatggt	119640
ggccaggctg	gtcttgaact	cctgacctca	agtgatcagc	ctgccttggt	ctcccataat	119700
gctgggatta	caggtgtgag	ccaccacacc	aggtcttctt	ttttcttttt	gtagagatga	119760
ggtctcgcta	tgtggcccag	actggtctgg	aacttctggc	ctcaagcaat	cctcctgcct	119820
cagcctccca	aatgctggg	attacttaca	ggtgtgagtc	actgtgcca	gagaaagtgt	119880
tcctgtttct	acctgtccaa	ctgccttcta	tgtcctgggg	ccctggccct	tgcacacgtg	119940
cacagggttt	agggcgctgt	gatttgcagg	cttccctgaa	gtcagtcctt	acctgcttgg	120000
atctctagat	agaacagegc	cctcttctag	gagtcacact	gatgcatttg	tccacctgtg	120060
ggactctccc	ggccctgagt	tgttcagcag	acgttggtt	ctcagtaaat	tggagtctct	120120
ttccattacc	taccccgctga	tgtgtccgtt	ccatgtgcca	aaattatctg	cttccctccc	120180
accaatcaaa	acaccttatt	ttgctaagaa	gacagaaaga	aggtaatctt	ctggagttga	120240
ttctcacatt	gaaatgaatg	gcctctcttc	attctctctg	agacaattcc	cccttttttt	120300
tttttttttt	tttttttttt	gagagcaagt	cttgctctgt	tgcccaggct	ggagcgtggt	120360
gatgcaatct	ctgctcattg	caacctctgc	ctcccaggct	ccagcaattc	tcctgcctca	120420
gcctcccaag	tatgtggatc	tacaggcgca	tgtcaccacg	cctggctaata	tttttgtatt	120480
tttagtagag	acagggtttc	gccatttttg	ccaggctggg	tttgaactcc	tgacctcagg	120540
taatctgcca	gccttggtct	cccaaagtgc	tgggattaca	ggcgcgagcc	accgtgcctg	120600
gcctgacaac	tcccagtttt	caagagaaac	agtaacaaag	gcaatggaaa	aggccaagca	120660
attatatggg	gagaggaaaa	tatttgacct	gtcagtcatc	agcctattga	agattttctc	120720
ctctttgagt	tcagcatctc	agagcaatgt	gtgcttcttt	tatatatttc	gggagcaaca	120780
atacttcatg	aaatagataa	gtgcagaaca	taaatagtgc	agaatctgct	attgggttgg	120840
agaggggggtc	actgaacaac	tgtataagtg	ggaggaagag	agtggaggtg	ggtgaatggg	120900
aaaaacatga	aattggagag	attcacaaat	acctcctcct	tgccttctaa	agatggcggg	120960
tcgccgaagat	tatctggcca	cctggccgag	cctctgccag	ggaaggggtga	aaaggggagac	121020
acagtggagg	gagaggaggg	agtgtcaaa	agaagcagga	aggagagagg	tcagaggagc	121080
cacctcaggc	tgtggcttgg	ggagaggggag	cgatgtctgt	ttgcagagga	tttgtaggaa	121140
atgtctcatg	tgatgtgctg	cctaagatc	tcctggggcc	atctggttat	gcttcaaggc	121200
ccctggaatc	caatttcggg	tcctactact	gtccctgaca	ccatgctgtg	gtggctcctg	121260
ggattgaagc	agtgaggaca	ggcttgagaa	aggaggggaag	gagggaggaa	taggatcgaa	121320
atattaatat	tggctgggca	cggtgggtca	cgctgtaat	cccagcactt	tgagaggccg	121380
aagcgggcgg	atcacctgag	gtcaggaggt	cgagaccagt	gtgaccaaca	cggtgaaatc	121440
cagtctctac	taaaaataca	aaacttagcc	tggcatgctg	gcaggtgcct	gtaatcccg	121500
ctgcttgga	gactgaggca	cgagaaccac	atgaacctgg	gaggcagagg	ctgcagtgag	121560
ccgagatcat	accactacac	tacagcctga	gggacagagt	gagactacgt	ctaaaaaaaa	121620
aaagataaatt	aatactgagt	gctactgtgt	gctgtgatgc	taccaagcta	gaagaccagc	121680
cttaccagat	cagatggcct	gggtttgagt	tcagttctg	cccctccctg	gctgtgtggc	121740
cttggggagt	tggttaacct	ctcagcagct	ctgtttctcc	tctgtaaggg	agcccaccac	121800
ccaaaacaga	tgtgagggat	gaattacccc	ggcacgtcac	gtttaatata	tgcttgcaat	121860
tgcctctggt	atgaccgcgg	caactgctct	gcccacacc	tcttttaate	ctcgccataa	121920
gccagcaagt	tcagtaggtt	ctcattttcg	caaagaaaca	aaggctcagc	gctggcaagg	121980
gaaagagctg	agtccaggct	tggcttcaaa	ttcatgcttt	ttgacctctc	cagctgcctc	122040
tggctcaggc	agctgttcta	agtcggacac	ccccattca	ttcctatctc	agagtcaagc	122100
gtggtgccat	aacaattcat	ggccagtggt	gaggcttaaa	acaaaaggaa	tttaatctct	122160
tggagtccgg	gaagccagaa	gtcggaaacc	aagggtgtgg	cagggtcacg	cgctctccag	122220
aggctctagg	gatggatctt	ttcttggccc	tttgccccc	cgctggctcc	ttggtttgta	122280
gtatttaggt	ggtgcaaaag	taattaccgt	tttgccact	ggatgtaata	gcatcacttc	122340
aacctctgcc	tctgttttca	caggttcttc	ctccgggtgg	ctctgtgtgt	cttcttttct	122400
gtctcattag	atttagggcc	cacctaatc	caatgtgagc	tcacttggtg	cctgatctga	122460
attacccttg	caaagacctt	atttccaaat	aaggtcacat	tctgatgttt	taagatgcac	122520
atgaacttca	ggaggccaca	aaccacaaag	aatgaatggc	cacagccttg	caagcttctt	122580
gacaacaatg	tcactctctc	caggggcttg	agatcctgca	cacagagcac	agccttggtt	122640
qgaagcagca	qgggtcccag	cgggagtcac	caggggggtga	gggaagtgca	tgggggaagt	122700

ggggtctggc	aaaaaacagc	taggcggggg	cagtgtcaga	aatcctcatt	tgacactagt	122760
catcagccgc	aagacctcga	atgagtcctt	ttatgtcttt	gcgtcacttt	cctcctctgt	122820
acaagaattc	aatagttacc	tgtgctggag	gctttctgtg	tattatctca	tttaatctct	122880
attttactga	gatgactctg	aggcttagag	aaggaaagtg	acttgttcaa	catcacacag	122940
ccagatcatt	gcagagatag	tattcaaacc	cagcttgtgc	tctctctctc	ccccccacc	123000
ccccttcac	tccacaacca	cgtgacctta	accacgtaat	ccagcctcct	ggtagagggt	123060
gaatgcattt	gtgcctgcga	aagtgcgtag	ttaaccaccc	cacgatatga	gtatccttgt	123120
ttttctcatc	acagttcaga	tgggcaacct	gatttccatg	ggacagatgc	tgaaaacggc	123180
aacacaccct	ggggcgaggc	gtgggacgaa	gagaattaat	cacatcccag	gaactggcat	123240
tttacctcca	tccccggggg	aggatggagg	cgggtgtgcc	aggctccagg	tgcttagctt	123300
ggatttgggg	caaagaatgg	aacaaagacc	tatgttgaaa	agtcttgctc	aaggatgttt	123360
ttcttcccca	agagaaagga	acgaagccta	aagcttgaat	cagatacaaa	tcgttagaat	123420
cctttcttgc	catgagctgt	ctctgcatca	ggcactgtgt	tgggctcatt	gtaaacctca	123480
tctttttttt	tttttttttt	ttttggtggg	gcagggtctc	gctctgtctt	ccaggctgga	123540
ttgcagtggc	atgatcttgg	ctcactgcag	cctcaacctc	ccgggctcaa	gcaatcctct	123600
cacttcagcc	tcccagtag	ctgaaattac	aggttctactc	caccacaccc	agtgactttt	123660
tttgtactat	ttgtagagat	ggggttttgc	catgttgccc	aggctggtct	cccaactcct	123720
gagctcaagt	gatctgcca	tctcagcctc	ccaaagcgct	gggattacag	gaatgaatct	123780
catctcattt	agtctgcaca	ataccttagg	ccaggggttg	atatcctatg	gccaggggac	123840
caagcgcagc	cccatgcttg	atgttgtaag	tagagttggt	ctggaacact	gatcacgctc	123900
attcatttac	atgtcattta	tggctgcttt	tgcattgcaa	aaactgagta	gttgccacag	123960
agactccctg	gccacgaag	cctcaaatat	tcactacctg	gctctttata	gaaaaagttg	124020
gccaacccct	tccctgggtg	gtatactgta	atctctccag	tttaaaagtt	aggaaagcca	124080
ggtttatcca	gtaacgataa	taactaacat	ttatcgagca	tttatcacat	gccagcacct	124140
gtgcattacc	ttatctgatt	ctcaaaacag	ccctgggtgg	tcagtgtgtg	tatcccattt	124200
catagatggg	gaagtgcagg	ctcaggaaag	ggagtaagtg	atggagggtga	gattttaaac	124260
aagatctctc	ttactccaaa	gctcttggtg	taatcaacca	tattcatgta	agaactacct	124320
ccctacgtaa	gtaccatcat	catcataaca	aaactgagta	gactgtattg	cttttagacac	124380
agagggagta	gttattccca	gacatcagtg	ggcaagggtga	atatctaggg	aggttggttta	124440
agaaaacaatt	ccctgcctcc	acctccaagg	attaggataa	acctgggttg	gggtgtgttg	124500
tccagggacc	ttaatgaagg	aggtcttcag	atcagagtga	aaaatgctga	tacaggacct	124560
gaataaatga	gtatcacaca	cagtcagtgt	ctttccagtc	tgaacttggtg	tgatagaaat	124620
tagcctgcta	gactgttcct	ttcttgatca	cattttccaa	ctagaaggca	ggcatccgac	124680
agctgccaa	gaatgtctcc	acgaggagga	caaatacacg	gaagaaacgg	gaggagcatt	124740
tcaagctggc	tagagacaac	aagtctctca	cgcacacttc	caagcaagag	cttgcttgct	124800
gtgtggagac	agcaaagcat	gaaggcacag	acgtccccag	ggctccaact	gccactgctg	124860
tcattgagct	tccaggagct	gagtcacttc	tgggggaaga	ggcagctaaa	tccatcttcc	124920
catccccaaa	tgccaccca	gggagatgca	tgcttcctga	gcggtggcac	cagcaaaaaa	124980
gagctgagca	cccgggcagc	cctggtatgc	accagcaggt	ttaatcactg	atctcaaaac	125040
aaaacaaaaa	gtaaggctac	ccagggacag	gagtggtgga	ggtgatagag	gatgagggt	125100
ggtgatctaa	aaacttctag	tttaaataca	agcttgagg	gttaaactgc	tggggaccag	125160
agagatacct	ttcctagccc	atcttttcca	atcaggggtc	atggtaggaa	tttaagctca	125220
gggtgccctg	cacaacctct	gcctttactt	ctgctttata	actttacgtg	cctagtactg	125280
gccccagagc	ttgctcattt	tgggtgttta	ccggagccat	gatctagctc	atatcaacct	125340
ctctttctag	attaataaaa	tgaggcttag	agaggctcata	agtgattggt	caaactcact	125400
cactcaattg	ttgcagcaac	atcaagggtt	ctgtctagat	cctgctactc	gctgcacaga	125460
aagccaatca	ctgaggcaat	gagtattgcc	agagaaggct	tttaattgggt	gctgcagctg	125520
aggagatgga	aagagactca	aatccatctc	ctcaaccac	taaaattaga	ggtagcaagg	125580
aagaaacgca	accatgtgtt	acattgtgat	acatccctat	tctttttttt	tttttctggg	125640
aaattattag	gaaggggtaa	ggaagagaat	ctggtcaaca	ggatgcaggt	ggttgggttag	125700
gcaatcgtga	tgggttagga	gtctggcatc	tcattgtcca	catatagtga	tctggtaaat	125760
ttcaattcct	taatactatc	tgggaaggcc	agaggctcagt	ttcttgagaa	aggaactcag	125820
gtaaaatgaa	tgtaactttc	taaaatttta	agattaggag	ggggctgggc	acagtggctc	125880
acgcctgtaa	tcccagcact	ttgggaggct	gaggcaggtg	gatcacaagg	tcagatagag	125940

accatcttgg	ctaacacggt	gaaacctgt	ctctactaaa	aatacaaaaa	attagccggg	126000
cgtgggtggc	ggcacctgta	gtcccagcta	cttgggaggg	tgaggcagga	gaatgggtg	126060
aacctgggg	gcgagcctt	tagtgagcag	agatcgacc	gcggcactcc	agcctgggtg	126120
acagagcaag	actccgtctc	aaaaaaaaaa	gaaaaaagaa	aaacaaaaga	ttaggaaggt	126180
aaatttttgt	gtttattcaa	acaaaacaaa	acaccgtaaa	catcagttct	aaggggcaat	126240
tggggcagtg	ctataatgag	tggtagaaat	gaaactcaaa	cccagatcta	tctgatccca	126300
atgcccagtc	tctaagggtca	aaagagctac	aaaacagtg	ttccaaaact	ctcaacactg	126360
catagaattt	accccagcta	catattctgt	actctgtcat	ataccactca	gtatgtcatg	126420
acattcactt	tttttttttt	ttttttgaga	cggcgtctcg	ctctgtcacc	caggctggag	126480
tgcagtggcg	tgatcttggc	tactgcaag	ctctgcctcc	tgaattcacg	ccattctcct	126540
gcctcagcct	cccaagtagc	tgggactaca	ggcgcccacc	accacaccag	cctaattttt	126600
tgtactttta	gtagagacgg	gtttcaccac	gttagccagg	gtggtctcga	tctcctgacc	126660
tcatgaccga	cccacctcgg	cctcccaaag	tgtcgggatt	acaggcgtga	gccactgcgc	126720
ttggccgaca	ttgacttttt	ttactcaaac	tccctaacgg	aaatgtccca	tgacatccac	126780
agacaataaa	tgactcttac	ttggcataat	tagaaaaatag	ccatgaaaat	aaacctgagg	126840
aaacaaagca	atactgttaa	attcttgcta	aatactatag	cctgcttaag	gttcagaatg	126900
aagcttgaat	tttctttctt	aacaagggtga	atcagcaagt	actaggggca	ttaaagacaa	126960
agctagcacc	aaattgtggc	tttctccttt	aggtaatcaa	aaagggtgat	aattggggag	127020
aaaatgcgta	gctttcctga	agggaaattc	attgctgttt	gatggtaaca	gcatgaaagt	127080
accactgggg	gtacctatcc	catccctgt	tgtagaatag	aattccagtc	ctttgcgttg	127140
gaaaggtcct	aaacgacgtt	ttggtcagcc	tcatacctgt	gttggatagg	atgtaaaatg	127200
acttggcaag	atgtggttcc	cagggtccct	caacaaacgg	ttctcattca	aacttcagtg	127260
agaactcaag	ctagaaggac	aattctcagc	catgggttaa	gtcctactca	aagaggaatc	127320
agccattttg	agcgattatt	tcaaccagc	tcatataaca	aaggcaatta	aatgaagggc	127380
tgggggttgg	ggtgctattc	atttcagtca	ttggaatata	cttgggtcac	agccgctgca	127440
tttagggga	gactgaggg	actcaggtag	ggggagtcag	tggtggggga	gaatcaactt	127500
tcacctaaata	gtcctttttc	tcttgtttgg	gtttttaaat	atactttttt	tttttaatac	127560
ttttatattt	ctagaaaatg	tggctggatg	tgggtggctca	tgtctgtaat	cccggagctt	127620
tggaaggctg	aggggaagg	atcacttgaa	gccatgagtt	taagaccagc	ctgggcaaca	127680
gagcaagacc	ccatctctac	aaaaataaaa	tgtaaacatt	agccagatgt	ggtggcacac	127740
agctgtgggtc	ccagctactt	gggaggctga	ggtgggagga	tcgcttgggt	ccaggagttt	127800
gagggcttca	gtgatctatg	atggtgccac	tgcaactccag	cctaggtgac	agagtggagac	127860
actatcttta	ataaaaaaaa	aaaaaaaaatt	taagaagagt	tgcaaagagc	ataaagaatt	127920
cccctctact	cctcattaaa	tttccactat	tgttaacatt	accaagaagt	tgacattggt	127980
gcattgttat	taactatatt	cattgaaatt	ttagcaattt	accaatgggtc	agatgttaca	128040
tttgcaaaac	agatttaaaa	ttaagaagag	agaaaagaaa	aggggttggc	gtgtgcaggc	128100
accatgggga	gccaggccag	cccttgaaaga	gggcaagaga	ggggagtggg	tctgggcatg	128160
ggcttttggg	tttcagagtc	cagctctcac	gcttgagcca	tgcatcagtg	actctgggca	128220
cctcagtttc	ttcatctgca	acactgggga	acaagcatac	ccatctcaca	ggtgattcat	128280
gtaagtgaca	agcatacaga	aagttctctg	taacatatgt	ttgctcttat	atacatttaa	128340
taactatgca	ttgagaacct	gcttcgtggc	agaccctgct	ctaagcaatg	gggaaggagc	128400
aatgagcaaaa	acagacaaaa	atctctgccc	ttgtggacct	gagcttctag	caagaggctt	128460
acactgttgt	ggagaacagt	tgtcttaata	atctgcaggg	gtcattgggt	taagacagac	128520
gtcgcttcaa	gccctggctc	tatcactaat	tgtgcgacct	gggcaaatta	cttgatctcc	128580
ctaagtctca	gtttcctctt	ctgtaaaatg	ggactaataa	ctcctgcctc	atgaagttgc	128640
tgtgtaggg	atgaaatggg	atgatatact	tgtccctcag	tatccgtgtg	ggattggttc	128700
caggcctccc	tttggacacc	aaaatccttg	gatgttggcc	gggcgcgggtg	gctcatgcct	128760
gtaatcccag	cactttggga	ggccgaggtg	gatggatcac	gaggtcagga	gatcgagacc	128820
atcctggata	acacggtgaa	acgcccgtctc	tactacaaat	acaaatacaa	aaaaaaaaaa	128880
aaaaatagcc	gggcgtgggtg	gcaggcgctt	gtagtcccag	ctactcagga	ggctgaggca	128940
gaagaatggc	gtgaacccgg	gaggcggagt	ttgcagttag	ccgagatcgc	gccactgcac	129000
tccagcctgg	gcaacagagc	gagactccgt	ctcaaaaaaa	aaaaaatcct	tggatgttca	129060
agaccgggat	ataacagggt	gaaatatttg	catagaagcc	ccacacatcc	tctgtagac	129120
tttaagtcac	ctctagatta	cttataatcc	ctaataggat	gcctacacat	cacttcattt	129180

acacagattc	agcataatac	tcaaagtttt	gcttcttggt	aatttgtgga	tttttttct	129240
gaatatthtc	catccataat	tggttgaatc	taaggatgcy	gaaccacag	atacagagga	129300
ccaactgtat	acaacatgtg	cttggtgtag	tgccatagaca	tcacaaagag	tggtcagtag	129360
cattattcct	gccatcacag	tgccthtccc	tgaaagaagc	cagactaaca	ctggggagaa	129420
aataaaaattg	gagccacat	caaatttgaa	gaacacagac	tcatggtcat	ggggaccatc	129480
tcttggeccc	tctaggtgag	accacagccc	cgcagctcca	acagacccat	gcctgccttg	129540
agaagagaat	ctagaggggg	ccccctccag	ccttttgtca	agaagccagt	tgctgctatt	129600
gacccaaaag	agagtcttga	atcccaaggg	aatagatctg	cgcccatga	ccaggagacc	129660
aatatctgaa	tgcatthcaa	aggctcctgg	tggcactcta	gacttcgttg	tcatcaatca	129720
ttcatgtagg	aaagaagctc	attccaaccc	ccaagcatcc	tattacggga	tgaccaagt	129780
gcctcgctt	cttgctataa	cgtgaatgta	atgggaagcc	gcccgttgct	tttaatgagt	129840
caccgtttcc	caaagagatg	aagtcactgc	ttttaaccca	gaagctcctg	gctgctcgat	129900
ttctcccagc	ctgcctcgtg	gagaggatgc	cactggggccc	ccaagagcga	tcataccttt	129960
ctttgcactc	cgccgtccca	tacatcccgt	ctctgtgagg	tcgccccaca	tggaagaatt	130020
tgcggtgag	gaaactgaca	ggcttcagat	cctggctatg	attgttattc	tccagtggca	130080
cctcaagcac	atthtttttaa	cttctgcgag	tttctgtttc	cccagccaca	tctgacgtgt	130140
caaaggacac	aaaagtaatt	caggaggacg	caccaacagc	acgtgaagac	gcaggcattg	130200
gcgtcaagca	gacatgagta	gatggctcgg	catctttcta	acggccgacc	tcggcaaatg	130260
ccctaaccctc	tttgagactc	agtttccctta	tctgtaaatc	gggggtcata	aaagagagaa	130320
tgtatagatc	agtgcgggtcc	aattgaaata	gaacactagc	cacatatgta	atthttgaaca	130380
ttccagggaac	cacattctaa	aaaataaaaa	aggctgggtg	tgagggcaca	tgccgtgtaat	130440
cccagcactt	tgagaggcca	aggggtgggtg	gcatactact	taaggctcagg	agctcaagac	130500
cagcctggcc	aacatgggtga	aaccccatct	ctactaaaaa	tataaaaaatt	agccgtggca	130560
gagcacgggtg	gctcactcac	gcctgtaatc	ctagcattht	gggagtcgga	ggcggtggat	130620
cacctgaggt	caggagttca	agaccagcct	ggccaacatg	gcgaaagccc	gtcttcctaa	130680
aaatacaaaa	attagccagg	tgtggtgggtg	tgtgcctgta	atcccagcta	ttcaggacgc	130740
tgaggcagga	gaattgcttg	aactggggag	gcggaggctg	cagtgaagccg	agatcgtgcc	130800
actgcactcc	agcctgggca	acagaggggag	actctgtctc	aacaagaaca	acaagaacaa	130860
caaacaaaaa	aaattaactg	ggcatgggtg	caggtgacta	taatcgtagc	tactcagaag	130920
ggtgaggcag	gagaatcgct	tgaacctggg	aggcgagggt	tgagtgagc	caagatcgag	130980
tactgcaact	ccagcctggg	tgacagaacg	gactccatct	caaaaaaaaa	aaaaaaaaaaa	131040
aaaagtaaaa	agagctgggt	gcggaggcac	atgcctgtag	tctcagctac	tctggagggt	131100
gaggcagggg	gatcacttga	gcccaggagt	ttaagtccaa	cctaggcaac	atagcaacga	131160
gaccctgtct	cttaaaaaata	aaaaaaaaaga	taaaaagaaa	tgggcgagat	taatttctact	131220
aacatatttt	atttaattcca	atagatctaa	aggattatca	gttcaaaatg	taatcaatat	131280
attaaagata	cgaatgagat	gttttatatc	ctthtttgag	ggagtatgga	agtcttaagt	131340
ccagtatgta	tattttaccc	tttaaataga	tctcaattca	ggccaggcac	gggtggctcac	131400
gcctgtaatc	ccagcacttt	gggaggccga	ggcagggtga	tcacttgagg	tcaggagatc	131460
gacaccagcc	tggaacaacat	ggtgaaaccc	catctctact	aaaaatacag	aaaatagcca	131520
cgtctgggtg	cacgtgcctg	tcatcccagc	tacttgggag	gctgaggcac	aaggatcacg	131580
tgaacctggg	ggatggaggt	tgagtgagc	ccagactgcy	ccactgcact	acagtttggg	131640
tgacagagtg	agactccgtc	tcaaaactaa	ataaaggaag	aacagatctc	aatttgggaat	131700
ggccacattt	caagtgtctc	caagtcccaa	gtcattgttc	accatcctgg	gacctccat	131760
tcatctcctt	ctttcttttt	tccctgatac	cttccccctc	ctcaaagatt	ctgtctccct	131820
gaggtgtttc	tccattttcag	gactcttctg	cttccccctt	aactgctctc	atgaaaggac	131880
ttctgatgga	ccctctcgtc	ccacctccag	ccccggcag	cctatgggtg	gcctgcctt	131940
tggtcagggc	ctcagcacgt	tcaacctggg	tggaagccaca	ggtcacacga	gacctcccc	132000
ttcagcaggg	actgtgagga	aacctttaga	aggagtgtgt	gcgggtgcagg	ccccacaggt	132060
cggtgcctcc	ctaaatccta	ataggactgg	ctcagctgtg	accagaatc	ccctgcagaa	132120
tgaatgcctg	acttcagctc	tctcaggcag	tgtagtctgt	tggaagccag	gaaggtgggg	132180
agaaggacac	aggtatctct	gtggagggga	ctccacagca	gcatctgagc	aaaggcacca	132240
gaaaactgga	gatgggcagt	gataagttgc	aaagagccaa	cagaattccc	ctctaccccc	132300
ctcactcaat	ttccactatt	tgthaaacttt	accaagaaac	tgacattggc	acattgctat	132360
taactatatt	gattgaatat	attgattgtg	tgataagggg	cagctgggat	tttccagtac	132420

cctcatccct	ttgtttccct	actccctacc	ccgactccct	atctggagct	ggaaggtcct	132480
tgatgagctg	aagaaagaca	cgggttatta	aataataatg	ctgcgacatc	ttcccgcaag	132540
aggcggctcag	tggtggcaag	agaaaagctc	gtcttccaaa	tgctctgaac	aacctgaatg	132600
atgagctgga	agaaatgtcc	agggcctcag	aatcaaaaca	ccatccctct	aggaaggaaac	132660
tgggaggaag	gaaagggagg	cagagagaag	gtgtccacag	atgcccttcc	caggtggact	132720
caaggagaag	ctgtggtcct	tccctctcgt	tgaaccacaa	gattatgcag	aactggctga	132780
ttgtaggaat	ttctttctgg	aaacatgctc	ttcctctgtg	acctcataga	agccaagat	132840
ctaagaggtc	caagtacaaa	gaaatgacaa	agggagcaga	ggagagcatt	tgatgctgtt	132900
gacttttttt	ttttgttttt	tatttttatt	tttttagatg	gagtctcatt	ctgtctccca	132960
ggctggagtg	cagtgggtgtg	atctcggctc	actgcaacct	ccacctcccg	ggttcaagtg	133020
attctcctgc	ctcagcctcc	caagtagctg	ggattacagg	tgccctgccac	ttgcctgcac	133080
taacttttgt	atttttggta	gagacagagt	ttcaccatgt	tggccaggct	gggcccttga	133140
cttttgcagt	gaaataggaa	ataagggatg	aaggtgaaga	ggtgagattg	aggagtagag	133200
gagaaactaa	gatagcccat	ttggggagga	atcctgggag	gaccaaacac	ttgagacaaa	133260
gagtttcttt	cacaagaaaag	acaaattcca	gcctaactct	ctggaagtgt	aatctgagaa	133320
catctgaaga	ctcattctga	gtgcaggagc	caaggctaga	gcaagagctt	catctcactg	133380
ctgtcccata	gcctgtgagt	gctttgacat	ttggagttgg	acgcttcttt	gtgctggggg	133440
ctgtgctaaa	cactgtaggc	tgtgcagcag	catccctggc	ctctgccac	tggctggcag	133500
tagcatcttc	tccccaaccc	aaaatgtcct	cagacactgg	caagtatccc	ctgggggaca	133560
aaatcacctc	ttgttgaaaa	ccacgggttt	agactcagag	tctttctcct	tctttccttt	133620
ctctcttttc	cttccctttt	ctttctttcc	tcccttcttc	cttccctagt	tccatcttcc	133680
cttccctcct	tccctttctt	tcccttctct	tcttttttcc	cttccctcct	ttctcccttc	133740
cttcccttcc	ccatttccct	ttgccccttt	cctttctttt	ttcctttctt	tcccttccct	133800
tttttatctg	aaacaaggtc	tcaactctatt	accaagtctg	gagttcagtg	gtgtgatcat	133860
acctcactgc	atcctcaagc	ttctgggctc	aagcaatcct	cccacttcag	cctcctgaat	133920
aggtgggagt	acaggtgtgc	accatcacgt	ccttttaatt	ttgtagagac	ggagtctcac	133980
catgtcaccc	aggctgatct	taaaccggcc	tcaagcgatc	ctcccatctc	agaccccaaa	134040
gctgatggga	ttacaagcat	gagccactgc	acacagccta	aaccagagtg	ttttttattg	134100
tgctcccagg	gcacaggtat	gagacttacc	taggtgtgat	taaaaaaaaa	aaatccatct	134160
acctgggctt	ctcctggacc	tactgaatca	aaatctccct	ggaggagacc	cagcaagctg	134220
cccttcaagc	aggtgattct	tattaaaca	ctctatgcct	cagtttctct	aaatgggaag	134280
gataatgata	acatctatct	caaggggttg	tatggagggt	aagtgagggg	attcacacat	134340
tgagcagagt	gtgctgaatg	ttagctatta	tcaactacat	taaaggtgga	gaagcactgg	134400
tttgagagaga	tatgcattga	gtgctcttga	agagagggaa	gaacaggaac	ccgggggcag	134460
gagagtgaac	gctgctgtga	taaccactct	gctcaaatgc	cagccaagta	ctgtggctaa	134520
tgatgagggg	gcacaatggg	gattatcccg	ccatcctagg	gctttcctcc	ctgcagatca	134580
tcatgtgttc	tggtgacttc	atgctccagc	tgccctccca	gctaaaacaa	atactaacaa	134640
ctgatgatac	aaggcaagag	gggtgacagt	ggaaaaaaat	gccaatctgt	gtctcagtta	134700
caaataaaca	caaacttagt	ggcttaaaac	aacacacatt	tattatagtt	ctggaggaca	134760
gaggcccaac	ggacgtgaaa	atcaggggtg	tgaaccaaac	acaagtagtc	ccatagacag	134820
tttttttctt	tcttgataaa	catagaaatt	gacctttctg	gtcttaactc	ttgaaactta	134880
aagtttgttt	tatctgagtt	ccttcctcag	gaggggaattc	cttgccctctc	aaataagtat	134940
caaagaactg	aaactcacca	gattacagca	tccagacaat	gagatgccag	acctcatt	135000
catcgggatt	gcttccttgc	ccgtcccaag	ttcctgtttt	gttacacatt	gttacatctc	135060
ttccctgctg	tataaacctt	tgatttttagt	tggtcagggg	gatggatgtg	agactgagtt	135120
actggctcct	tggtgcaac	acctgagtaa	agcctccttc	cttagcaata	attgttgtct	135180
cagtgtcggc	cttctgtgca	gtgagcagca	ggacctagac	gaatcccttg	gtgttttggt	135240
aacagtgtca	gcaggattgc	ctgtccttct	tggggctcta	aggaagaatg	agtttccttg	135300
ccttttctag	cttctacatt	ccttgccac	ctacattcct	tggcttatgg	ccccttgctt	135360
catgttcaaa	gccagcaatg	gtgaatggtg	aaaggctggc	tctgcccttg	cctggctctg	135420
cccctgctg	gctttgtgcc	cctggacaag	ttatttaaat	tctctgagtt	tccactttaa	135480
aaaatttccc	ttgtgggctt	ggcacagtgg	ctcatgcttg	taatcccagc	actttgggag	135540
gccgagggcg	gcagatcacg	aggtcaggag	atcaagacca	tccctggctaa	catggtgaaa	135600
ccccgtctct	actaaaaata	aaaaaaatta	gccgggcgtg	gtggcggggc	cctgtagtcc	135660

cagctactcg	ggaggctgag	gcaggagaat	ggcgtgaacc	cgggaggcgg	agcttgtagt	135720
gagccaagat	cgcaccactg	cactccaggc	tgggtgacag	agcaagactg	tctcaaaaaa	135780
aaaaaaaaat	ttcccttgta	aagtgggtct	attaatcctt	agcttgtaat	atttggtcat	135840
ttcataatag	ctagttgtgt	ggctggtaag	tgagttatgt	aactttccca	atcctcagtc	135900
ttcattacct	gttaactggg	gataataata	gagggtagcc	ttggatgcag	tgaggattga	135960
atgacagatc	gtatataagg	ctcttaatgt	ggtgcctggg	acatcataag	gacagtggag	136020
acttggtgaa	tgtcagttat	cacaatcact	gtctctatcc	tcaccataat	cactatcact	136080
atcataatca	tcaccactat	caccattatc	tttaccatca	ccatcaccac	tatcactatc	136140
accaccatca	ctgtcattat	caccatcact	agcacatcac	tgatcatcgt	accattatca	136200
ctatcaccat	tatcaccatc	attactatcc	ccaccatcac	catcaccatc	atcacgatca	136260
ctgtcatcat	caccatcacc	accatcatta	ccaccctttt	catcatcacc	atcaccacta	136320
tcaccaccac	caccaccatc	aacatcacta	tcatcatcat	tgccaccacc	accatcacca	136380
ccatcaacaa	aagaaaaagc	agccaaactc	agaattccac	atcagctgga	actaggggtt	136440
gggaagcaca	gaggacatta	gcccattggg	attctttgcc	ccaacttcac	ctccctccca	136500
gaactccctt	ggctgggaat	atcccacctc	atacaccatc	ccattctgtg	ccctcttgga	136560
agatgagaag	caccaaagg	cttgtgtccc	acctgcaatg	tccacaaata	ctaataattg	136620
gcttagagaa	gagaaatgag	aagagtgtga	ttaagataat	aaaagtaggc	caggcgcggt	136680
ggctcacgcc	tgtaatccca	gcacttcggg	aggccgaggt	gggcagatca	cgaggtcagg	136740
agattgaaac	catcctggct	aacatgggtg	aacccacact	ctactaaaaa	atacaaaaaa	136800
ttagccaggc	gtggtggcag	atgcctgtag	tcccagctac	ttgggaggct	gaggcaggag	136860
aatgggtgtg	accggggagg	cggagcttgt	agttagccaa	gatcatgcca	ctgcactcca	136920
gcctgggtga	cagagcgaga	ctctgtctca	aaaaacaaaa	aacaaaaaac	ttagctgggc	136980
atgggtggtg	acgcctacag	tcccagctac	ttgggaggct	gaggcaggag	aatcgcttga	137040
accaggagg	tggagatcac	gccactgcac	tccagcctgg	caacaggcaa	cagagcgaaa	137100
ctcgtctca	aacaacaaca	ataataataa	taataataaa	agtaaattag	gccgggcgtg	137160
atggctcaca	cctgtaatcc	cagcactttg	gaaggccgag	gtaggcggat	cacttgaggt	137220
caggagttcg	agaccagctt	ggccaacgtg	gtgaaacccc	acctttacta	aaaatacaaa	137280
aattagccag	gggtgggtgg	gcagctgtga	atcccagcta	ctctggaggc	tgaggcacaa	137340
gaatcactta	aacccgggag	gcagagattg	cagttagctg	agatcgagcc	actgcactcc	137400
agcctgggca	acagagcaag	actccttctc	aaaaaaaaaa	aaaaaaaaaa	aaaagataaa	137460
aaaaaggaaa	tttaaccaaa	tttcttgagc	cttttaaaac	ttttttaagg	ctccaataag	137520
atcattaagt	cctttctgga	ataaggagag	gtagtaataa	acaaattctt	tgttgtcttc	137580
aaatcagttt	atgcgttact	caagaaaagc	agttaaaata	actttacatt	aaatttcatt	137640
tgatcaacca	ctttattcaa	acaccttggc	ccagaatgac	tttggttatt	ccaaaaagca	137700
aactccgtct	aaggcaaagt	tttatcacat	taaggatatt	cacaagactt	tgccacagat	137760
tgggactgca	gttcccagg	gggacttcca	gaaagattgc	atgtgaatta	cgtgtgtgtt	137820
atttccagg	tgagactttg	aaagagatga	cacaagagtt	ccggcaaatt	atttaacaaa	137880
ttgtaatgtc	attttacatt	actcagtgtc	ctctcccaaa	cacttcaaag	tgaccttcaa	137940
tgaatcacca	aacctagtct	tcatatttct	tccaatgaca	agcagaagg	ctccgattgc	138000
tttctaaggc	cctttgggac	catatgagag	aataaagtat	atacttccta	attcaaagca	138060
aatcattagg	gctgtggaat	taaaattgtg	gaaattgata	aacctataat	aacaacaatt	138120
gcccggttaa	aattgcataa	acaacaaatc	tttttcggca	cttctgtagg	ttcattctgt	138180
tactcaagg	ccatttggtc	tgaaatatcc	cccatccctg	caatctcaga	atgagttcat	138240
gaaaacagac	aattataaat	ctatcctgag	ctatgattca	tgcatcttaa	ccgactccct	138300
aattcttcca	atttacaaac	caattcagaa	gtcagtcaag	ggcccagggt	acgcaaggat	138360
ggttagagga	gcagatggag	ctgcttaaaa	ccatgtgctt	ggcgggggta	aaatgatgag	138420
aatccagagg	aaaataaatt	gggcctgtct	aaagtaatat	ttcagttttt	aaaaactgct	138480
tagcctgaaa	atcatgtgcc	tcatttaatt	ccctgcaggc	tggaattttg	acaggagaga	138540
taaattgcac	caggaacatt	attttcattc	agaaaggtaa	gccaagaaa	taggggtgga	138600
tatatcctca	tctgaatgag	gggtgtctgc	ggagggggga	cgcaggggag	agcagccagg	138660
ggaaaaacag	gatgtgtgca	ggcgtgaacg	gctccagttc	aatgtgaagt	cagagggaga	138720
gtcagatcat	ggcagaagaa	ggaagggaag	aaatctggaa	gcattcatgt	cggactgaaa	138780
atccacacca	gaaggagat	gtggctctaa	acagggatct	caagcacaaa	ggcaaagcat	138840
cagtactgga	aatccttagg	ggatttaaaa	aaagattaaa	atgcatactc	tgttcagatt	138900



tccttgtttt	tccgccaatg	ttctttttcc	attccaggat	cccatcgagg	acagtgcagt	138960
acattcagtc	cttgtgtctt	cttagactct	tctacactgt	gacagtttct	caggtgcagt	139020
agcatgatct	cagctcactg	caacctccgc	ctcctgggtt	caagcgattc	tcctgcctca	139080
gcctcccag	tagggggcag	tacaggcatg	caccaccacg	cctggctaata	tttgtatttt	139140
tagtggagac	gggggtttctc	catgttggtc	aggctgggtc	tgaactcctg	aactcaggtg	139200
atctgcccac	ctcagcctcc	caaagtgcg	ggattacagg	catgagccca	gcctgccctt	139260
gacagtttta	aggggtactg	cacaggtatt	ttgtagtggg	atacccttta	attttgagtt	139320
tttctgatgg	tgagacaagt	tgtgagtttg	gagagaagac	tgagagggta	agtcaccatt	139380
ctcatcactt	tcttcttttt	tttctttttt	tttgagatgg	aatctcatat	tgtcactcag	139440
gctggagtg	agtggcatga	tctcagctca	ctgcaacctc	cgcctcctgg	gttcaagcga	139500
ttctcctgcc	ttagcctccc	gagtagctgg	gactacaggt	gtgtgccacc	atgcctgggt	139560
agtttttgta	tttttagtag	agacaagggt	tcgccatggt	ggtgaagctg	gtctcaaacc	139620
cctgacctca	ggtaatccac	ccgcctcagc	ctcccaaagt	gctgggaata	caggtgtgag	139680
ccatggtgcc	cggccaccat	tctcatcact	tcacatccgt	ggtacatccc	atcaagatga	139740
gttggcactg	ttgatgctga	ccttgagccc	ctggctgagg	gagtgtctgc	caggtttctc	139800
cattgtaaag	tttctccttt	cacttcctct	ttggaaggaa	gtcactatac	acagcccaca	139860
cttatagggt	agggagttat	gagtgtcttc	ttgagagtgg	agtatgggtg	tatttttata	139920
attaaagaaa	aagatgcctg	caatggaaga	tgaagaggat	cacctgctgg	tggagcaaaa	139980
atccagaacc	tcgtgtgtgt	ctcagctaga	actgggtggt	tgggaagggt	cgactgccca	140040
gcagtgcagc	gggagatgca	aaacctgagg	gttcaagtcc	aaagggtgac	ctggctttta	140100
aagccaatga	tgtcaaaaaa	acaaaaccaa	aaactactgag	cacaaaagct	aggcaatggg	140160
gcagccagtt	gggatacttt	tcataggcac	tgattttttac	tctctctgga	attcctttca	140220
aagacacagg	gtctgctggg	ggatggctgc	tcctctgcag	ggactggggc	acatggcatg	140280
gcctcctatg	tcatttgggg	gctctttggt	tattcaacat	gcccgccaca	caccaggcaa	140340
tattctagga	gctaggcatg	cagaaatgaa	acatccatcc	tcctgatgaa	gacagacagc	140400
aagccaaaag	ataaacaac	aacatcattt	agggtggacag	ggctaggaag	agagtaaaat	140460
gccattacgg	gggtagacag	tgattgatcc	cggggactcc	tccagatagc	ggggtcacag	140520
aagacctcta	tgagaaaagt	gcatttgagc	tgccactgaa	tgaccagcag	aagctggcct	140580
gggaagacgg	agggggaaga	atgcttcaga	tagaggatcc	acgagtgcag	aagctgtgag	140640
agggtgacaac	acagtggagt	cctgtctcta	aaagaaagag	aaaaggcaga	tgtgggtgga	140700
gcaaaatag	gaagggaagg	ggtgttccaa	gatggagaga	caggaagtgg	cccatgatg	140760
cccgccctat	aggccacact	gaaaagtgtg	gatttttagtc	ctagtgggtca	acctattgat	140820
ggtatttcaa	ttttaatttt	aaaaaataca	atcaggctgg	gcgtgggtggc	aggtaatccc	140880
agctacttgg	gaggctgagg	cagtgcagca	agatctcacc	attgcactcc	agactgggca	140940
acaagaggga	aactctgtct	gaaaaaaaga	aagaaagaaa	aaaaaaagtc	actgtgtttc	141000
ccatgagagt	gtgatctact	aaggagcaa	gtatagaaat	aggaagacct	gctactgcct	141060
caaagaattg	ttaaaggatc	gaacgcctac	taatgtgtgc	aaagcctggg	acatagcagg	141120
aatgcagtaa	atgcaataaa	agaaaatagc	tgagtaagt	gctatcagta	aatgcactac	141180
tggactgggc	gtggtggctc	acgcctgtaa	tcccaacact	ttgggaggcc	gaggcgggaa	141240
gattacttga	gctcaggagt	tcgagaccag	cctgggcaat	atatcaagac	ctcatctcta	141300
caaaaaatac	aaaaaccaaa	atagccgggc	atggtgggtg	tgctctggtt	cccagctact	141360
cgggaggctg	aggtgggagg	attgctcaag	cccagaaggc	ggtggagggt	acagtgcagt	141420
gagatcatgc	cactgcacca	cagcctgggt	gacagagcaa	gacctgtctt	caaataaata	141480
aataaaaaata	aaaaataaga	ataaaaaatca	ataaatacac	tactgcactt	atgcagatga	141540
acttcacttc	ttccgactta	gccacacaca	actttccagc	atcacagatc	tttgcagagg	141600
gtgggacagc	cgggaagggtg	ctgttcgcac	agaattggct	gaatgaccag	gtgtttgatg	141660
gatgaatccc	aggtagccag	ggcgtctctg	ggcacacgca	cccaggatca	cacctggaca	141720
agaaagtggg	gtctaaagta	gcagtcagag	gctgggtgca	gtggctcatg	cctgtaatcc	141780
caaaactatg	ggaggttgag	gcaggagggt	tgcttgagac	caagagttga	agatcagcct	141840
gggcaacata	gcaagacccc	atctctacaa	aattttgaaa	aattagctag	gtgtgggtggc	141900
atatgccagt	ggtcccagct	actcagaagg	ttgaggtagg	aggatcactt	gagcctagga	141960
gttaaaggct	gcagtggggc	atgatcacgc	cactgcactc	tattttgagt	gacagagatc	142020
ctgtctccaa	aaaatacata	tgccagtgca	ggcctgggtat	gtgtcctgag	agttccctgc	142080
ctggcatctc	ttgaagtggg	caccagtaac	cagaagctga	agtctgggtt	tggcaaagga	142140

tggaggaaaa	agatattgga	tctggagggc	tgggtgcagg	tggcttacac	ctgtaatccc	142200
agcacttggg	gaggccgagg	tgggcagatc	atgtggtcag	gagatcgaga	ggatcctggc	142260
tcatacgggtg	aaactccgtc	tctacaaaaa	atacaaaaaa	ttagccggat	gagggcgggc	142320
gcctgtagtc	ccagctactc	ggaaggctga	ggcaggagaa	tggcgtgaac	ccgggagggc	142380
tagcttgtag	ccagccgaga	tcgagccact	gcactgcagc	ctgggcgaca	gagcaagact	142440
ccatctcaaa	aaaaaagata	ttggatctgg	aatggatcgc	tgaaaataaa	agaaaactgg	142500
ggtgaaaaag	aagtgtacat	gggataaact	ggaggtaatg	agttatgttt	gggggaagat	142560
agaaaaagtt	agactctgtg	gcgtgggagg	agcagagtaa	atgtcaacag	tcccctcgag	142620
cctggaaaaa	tccaccatga	gtcatggagg	accacagtc	gaaaatagct	attttgagcc	142680
cagctagaaa	gtttggtctc	gtctgctttt	cctgagagt	gtgagtgggt	gaccaggct	142740
gtaagctctt	caggtcattg	cttccccaaa	caaaatttca	atcaagcgag	tgccatgacc	142800
ctgcacagaa	gtccagaact	aaacctcgat	gtgggactgg	gcttgccaaa	ccagaaggct	142860
tgttctaaga	gaaagaagct	ggaacctg	aggggaattt	tgccaatggg	aggaacagca	142920
atcttccaa	aaagaggggg	taggaccagc	aatttccgt	tcctggaagg	tcccctatac	142980
atcttggttc	gagcatttag	attctaaatg	tcacagtgtg	atgtcctcat	gtgcaatgga	143040
catttggtga	tttgccctcc	agtatccatt	cacctttctt	aggtaatagg	acctgtttcc	143100
tttggggaac	caactggcac	caccgctccc	aggacttgca	aatttaattg	ggcttaccct	143160
accaggtgt	ggcctaagg	gtcactgtg	ttcccttccc	gttcagattc	agatagatat	143220
aggatcagat	acacaccaga	agtagtcaga	cccagaactt	tgctgtgaac	ccccctgggg	143280
gaaaagaaac	cctgaatcct	aagaacaaag	ccctcatgga	ggggataaaa	gctgagggat	143340
aaacagatag	actttggact	cctgcctcaa	ccaccctag	agtgtagaaa	ccccggttag	143400
tacattcctt	tttttttttt	tttttttttt	catatgcagt	ttgggttgag	ttttctgttg	143460
cacaaaacca	agaaagtcac	acaaatacta	tatatctttg	tttttttttt	ttttgagacg	143520
gagtctcgct	ctgttgccca	ggctggagtg	cagtggcgcg	atctcggttc	acgccattct	143580
cctgcctcag	cctccgggg	acctgggacc	acagacaccc	accaccacgc	ccagctaatt	143640
tttgatattt	tttttttttt	ttagtagaga	tggggtttca	ctgtgttagc	caggacgggt	143700
ttgctctcct	gacctcgtga	tccaccgcgc	tgggctccc	aaagtgcagg	gattacagat	143760
gtgggcccac	gcgcccagcc	ccacaaatac	tatgtatctt	ttaagagaaa	cgcatgatga	143820
gaagcagcag	gggggtcaaca	tgcatctggg	gtgttagaac	ccaagaggca	gtagacagtc	143880
atcttgtacc	tcccctgcct	gctgtcagaa	tgctaatagca	ctgtctccta	aagcagggtg	143940
tgaaaaatat	ggcccccaagg	ccatctccag	cccatcactt	ctttttgtgc	agcctgtgag	144000
acaagaatgg	ctttttacatt	tgtgaatatt	tggacggggg	gcaaggggtc	agcgtggaat	144060
caaatgaaaa	ctgcaaaaaa	ttcagatttc	agcatctata	aataaaagctt	tattagaaca	144120
catccatgcc	cattttgttta	ggtagctgtt	atgactgctt	ttgtgttaca	gcagggtctga	144180
gtagctggga	cagagaccat	actgtcagaa	gcgtttgaac	cagaacaaca	ccatcttgaa	144240
taggggctgg	gtaaaatgag	gcggagacct	attgggctgc	attcccagga	ggttaggcat	144300
tctaagtcac	aggatgagct	aggaggacgg	cacaagatac	aggtcacaaa	gacctgaccg	144360
ataaaacagg	ttgcggtaaa	gaagctggcc	aaaagccacc	aaaaccaaga	gggcaacgca	144420
catgatctct	ggtcatcctc	actactcatt	ccacactaat	tataatgcat	taccatgcta	144480
aaagaccgcg	ccaccagcgc	caggactggt	tacaaatgcc	atggcaatgt	cagttacctt	144540
atatagtctt	aaaagtggag	gaaccctcag	ctgtgggaat	tgcccacctc	tttcccagaa	144600
aactcatgaa	taattcgccc	cttgttttagc	atataattta	gaaaaaactg	ttaagcatta	144660
tgagttgagc	agtccaagct	gctgttctgg	ctgtggagta	gccattcttt	tatttcttta	144720
ctttcttaat	aacttaagaa	acttaataaa	taaacttgct	ttcattttac	tctatggatt	144780
cgctttagt	tctttcttgc	acaatatcta	agaatcctct	cttggggtct	ggatcgggac	144840
ccctttcctt	taacaatatg	gccctcaaag	acaaaaatat	ttaccatgag	tcctttaagc	144900
aaaggttcac	agactcctgc	cctaaaagat	actgtaattc	taagacatcc	aggaaagaga	144960
cattctgtaa	cttgtctttt	ataaactaag	atattaaagg	ctttaaattt	caatcttatg	145020
ctggcaaact	tgataaaaca	attggttttt	cctgctaggt	aagatggcaa	gaattgctat	145080
tattttatat	aaggctgttt	agaagaaacc	cttactaaag	cttttaagg	tataaatcaa	145140
aagtaccgtc	tagaattcaa	ataatatgaa	ttcaaattat	agaattcaag	ggcaatagca	145200
atgatatatt	caatcttagt	aatggttatt	cagccctatt	ttcccattat	catagaaatt	145260
cccttttaaa	catcttctat	atcttgaata	atctgaaaaa	caatctgtca	taatgaaatg	145320
aactttacag	taataataat	agctatttgt	taaatcttta	ctatttgcca	ggcagagttc	145380

tgagcatttt	acttacatta	acacatttaa	tggctccaac	catgctgtca	ggtaagtaat	145440
attattatac	ccatttttga	gatgacaaaa	cgaaggcaca	gagacagggt	aagtaatttg	145500
cctaagatca	cacagcaaat	attggggcca	ggattcaaac	cccagtaatc	tagaccaga	145560
aactgaacta	tgctaggggt	tagaccatct	cagatttatt	taaaagaggt	ggaaatgaca	145620
ataatatttc	actatagttt	agaatttaat	tgatatcact	gtgtaacata	cacctttttt	145680
tccctcagaa	gtattttctg	accactaaca	cgatcatgtt	gatacaatgg	aactcacatc	145740
ccctctccat	atttgattgg	atcaggtgtc	aacatctggc	ccaagctgga	ccaataggct	145800
ccttccttga	gcttttggtg	ctgagattaa	gattccagtc	tcaacctgac	ttctgtcact	145860
ctcccatgag	atagaagaat	agaggagaca	tggagaaaaa	cagtcaagag	gtagagggtg	145920
tgggagggac	ctccttgatt	cacaatggac	tctatcccct	tcctgaattc	cagtgggaacc	145980
atggccctgt	gttctgtgag	acaccctaga	atccttcaac	aatatccact	tttggctgaa	146040
cccagtgggt	tttggtcacc	tagaaccaaa	agaatcctca	aacgtaacct	gattaagagc	146100
aaaacaacct	ggcttttttt	tttttttttt	gagatggagt	cttgctctgt	tgcccaggct	146160
ggagtatagt	ggcacgatct	cggctcactg	cagtctctgc	ctcccaagtt	ccagcgattg	146220
tgccaccaca	cctggctaata	ttttgtattt	ttagttagaga	caaggtttca	ccatggtggc	146280
cagcctggtc	ttgaactcct	gacctcaggt	gatccacca	cctcagtcct	ccaaagtgct	146340
aggattacag	gcatgagcca	ctacacctgg	ccaacctgcc	attttatata	ttctctgagt	146400
catcagcatg	ggcctctcaa	atgatggact	tgctggattt	ctgtttattt	cctttgctgt	146460
gcactaagta	ggtcagctcc	caagaatgac	tagtttggag	atggagggac	tagtggaata	146520
tgcttagaat	ggtgcctaag	ccaagctggg	aaccaacaaa	ttggttttgg	gctctacttt	146580
agtttttctt	gtttgtgttt	gtttgttttt	tttttttggc	ctggggggga	aaaaaccac	146640
aaatgtcttt	ccccagtttc	ctccagtaac	acagatggaa	atagtagttt	atacttgggg	146700
tgggtgctcg	ggaaatagtg	tctcagaacc	aattactgaa	atgaccagaa	tggatataaa	146760
atgtggctgc	ataatttcct	aagtcccatt	tctcagggtg	aaaatggttc	agaccatcca	146820
aatgcttctc	cgaagaaatt	acacaagcga	gatggaaaaa	gaaagtattg	gtttctcagc	146880
gctggttaata	attaggactt	gaatgagtgg	tgataaaccc	atttacagac	aggaagtgtg	146940
aaggcctgaa	tggccaggag	atltgctaag	tgatgacaag	atcaagatca	ggcctctggc	147000
ctctgagccc	agctccctaa	gcctagtga	ccttgaaatga	cacctgattt	tttgcccat	147060
ccagcaccca	ttttctgaat	gcaatttgga	ggaatgaaca	tacgaccag	aacctggcca	147120
atcagaatat	tctaccgcca	cctcttcccc	tctccccac	catggtaatc	agttcagcca	147180
tgggcaaat	atccaagtgt	aggcaataat	actcagtcct	atgacttcca	ttgaaacttc	147240
taatgaaacg	atctctctct	gttgggattg	ctacctgatg	gctaattgtg	gcttagagcc	147300
actgggattg	ccatatggaa	agcatctgcc	tgagagtga	gccaacacaa	gtagatgcag	147360
aaaaactgag	tcctactgat	ggcatttgat	cccttggatc	cagccacgct	ggatatggga	147420
tatgggaaac	cctgaagtac	agtgactact	gtggataagg	ggtcaatggg	taagtggttt	147480
ccttgtggga	tgatgaaaat	gtttggcatc	tagagggtgat	ggttgacaaa	gactgtgaat	147540
gtacataaag	ccactgaagg	gtacacttta	aaatgatgaa	tgctatgtta	tgtgaatttc	147600
gccttctttt	tttaaaaaag	gggaaagagg	ccagggtgcg	tggctcacgc	ctgtaatctc	147660
agcacttttg	gaggccaagg	tgggcagatt	acctgaggtc	aggagctcga	gaccagcctg	147720
gccaatatgg	tgaaccctg	tctctactaa	aaatacaaaa	attagccggg	tgtggcggtg	147780
tgtgcctgta	gtcccagcta	tttgggagge	taaggcagga	gaatcgcttg	aaccaggag	147840
gcgaagtttg	cagtgaattg	agattgcacc	actgcactcc	tgcttgggca	gcagagcgag	147900
actctttctc	aaaaaaaaaa	aagaggtttg	gggaagagca	taattttaac	cacgcagata	147960
tcagagattt	cacaaaagga	gtgtcactga	agctagatat	ggtggtcaag	aggcaggaga	148020
agggggagat	gcttttctagg	cctaataaca	aggtgctaag	cccttttgat	gtggtctgaa	148080
catctgttcc	ctccaaatct	catgttaaaa	tttgatcccc	agtgttgga	gtggggcctg	148140
ttgagagggt	tttggatgat	gggagcagat	ccctcgtgaa	tggcttcatg	ccatgtttgc	148200
aggattgagt	gagttctcac	ccttaattcc	caagagatct	ggctgttaaa	gaagctggca	148260
tcttctctct	ttctcttctt	ctctcttgac	atgtgatgtc	tgctccctct	caccttccac	148320
agtgattgta	agattcttgg	gcccctcacc	agaatcagat	gctggcacca	tgtttcttgt	148380
ataacctgca	gaactatgag	ccaaataaac	ctcttttatt	tataaattac	ccaacctccg	148440
gtattccttt	acagcaacat	gaaatggact	aagatacctc	tacctacagt	aattacatcg	148500
ttaatcctca	cagcaaccct	tgaggtagta	aatattactt	tagccttggt	ttataggtaa	148560
gtatgcaagg	gccagaaagg	ggacataact	tgcccaagtt	tacatagttg	tagatcagca	148620

```

gagagctggg actcaaacat agatttttct ggccaggcac ggtgggtcat gcctgtaate 148680
ctagcacttt gggaggccga ggcgagtgga tcacctgagg tcaagagttc gagaccagcc 148740
tggccaacat ggggaaacct catctctaataaaaactacaa aaattggcca ggtatggtgg 148800
tggacatcta taaccccagc tacttgagag gctgaggcag gagaatcact tgaacccagg 148860
aggcagaggt tgcagtgagc tgagatcatg ccattgctact ccagcctggg cttcagagag 148920
aaactctgtc tcaaaaataa ataaataaat aaaaataggt ttttacaact ctcaaccact 148980
ccgttcaagt gcctcctagt agagggaaga gcatagaaac acagaacatt tctttagaag 149040
aatgtatcat tccatgttct tcctagagga ataatcgag tttagccac taagataact 149100
cacaacagca acctttataa cagtggaaaa attggaaaca tacaatgttt ggccatatgg 149160
actagttaag ttattgaaga atatgtgatg atttgggact aggatcataa tttagagctg 149220
agtgaaaaag gcaggatatg ggaaagtaaa atagttggat attagctaca caggaaaaat 149280
attaaaaggt tactagaaaa acacgcacat ggatgttggg tgactttggc gggtagaatt 149340
gtgggtgatt tttttctatg tgttttacgc gcgtgtgtgt gtgtatagac tcagtttcca 149400
tatctgtaaa atgggtataa taacagatct cccctactga atgggtcagaa acactaagt 149460
agacaacgca tgtaaagctt 149480

```

```

<210> 286
<211> 412
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> n=a,t,g or c

```

```

<400> 286
tataacttaa aatcgtttat tttaaaggaa actttaaata accaatggaa atgaaaaacc 60
agccccactt gccatgaaca gcccactatg ttcggatttc attcgggcag gcgggggtcca 120
caagaggctc tcttggttta aaggagagcc agcttggnc ngatcaggtg ttaaggacac 180
gtgagcacca aattgagcct ttctcagtga tgaggtcaaa aaatgaaagc gcgcaggaag 240
ggttctcccc aggggaattc tgggggtgtc caangtcac cggggccccg cacgcttcgg 300
gccatgctgt tctggtctcc agccctcatg gccgtggcaa ttggacagcg tcaacttcct 360
cactcagtgt gttcgcaccc tgaccttgag gtngggggtga gggggacatt ga 412

```

```

<210> 287
<211> 263
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> n=a,t,g or c

```

```

<400> 287
gtttccaatt gcagatttat ttccacacac acaaaaaaaaa tctatgttga agttacagga 60
ttgccatgaa tgccacacac ctttcagact aagcagaaag cccacaagaa aagcacaaaa 120
tgaatgcact cagctgcccc tgtccccccc accctgggtg actggggaag gacaggcaga 180
gcatectaac aggggagctg agtctttggg aggataggaa aagcccaggg gttagggnaa 240
accacacaga cntacangg ggg 263

```

<210> 288  
<211> 437  
<212> DNA  
<213> Homo sapiens

<400> 288  
 tttttttttt attttcataa cttgcttctg ttgatttttt ttttttgtaa aactttccca 60  
 agacattttc agacttaaaa ataaagtcag tgttacaggt gctggtcagc cttcttactt 120  
 gtacctcaaa cactgggata aaggaggcgg tccagggcaa tgcagtgatg tctgtcaaga 180  
 cattccccct cccctaaact cagtagcagt tgaggatgac atttcaggct agagagaccc 240  
 aaaatacctc tgttccacct gagagcaagg tggaaagtgc atcagctact gcccgaagtg 300  
 agcttcatct tctgattgtg ggctttggag gaacgagaga actggctctt gggcactgtg 360  
 gaggggtaca gctttgccac tcaaatatac cttattgtgg gcattcaggg agccagggtc 420  
 cagagctgca gggctgc 437

<210> 289  
<211> 352  
<212> DNA  
<213> Homo sapiens

<400> 289  
 aatgatttgt atattttatt ttgactttac atgcggtggt aaaaacccaa agtacatatt 60  
 atttacacat ccacaatata agtttacaag gtatctattc atgttaaagt actctataaa 120  
 acagtataga gacacttcac ttcgagggtt actttttatg ccgtaccatt aaaaaagata 180  
 caatctgcgt ttacctttgc acaaattggat aaagcattta aaaattaaat taacaggata 240  
 gagactagat ttaatgttag aaatttcaac ataaatactg attgaactca cattacaaac 300  
 tacaaggaag cacaatgtta caaaatgtta tctgggggtca catagagtta ct 352

<210> 290  
<211> 445  
<212> DNA  
<213> Homo sapiens

<400> 290  
 gaacgttaat atttttattt cttttgtaat gaagagtaca aatggttggg agcaggacat 60  
 cacaggagga ggaaagatag cgccatctct gcagaagaac tcctgagcca cacacagaag 120  
 gaaagttgat ccccagggca gcctttccca ccaaaaaaat caggcccaat ccaggagagt 180  
 ttgccagtag ctccccaggg ttccagggtg tctgccagcc ttctaggaa tctgtggcag 240  
 gcttctaggt gccagtgaact caaactcctt ttcccacttc ccagttcaac ctggtcactc 300  
 tcatccccac aagttcccaa tctgaatccc attctctgac cattctctgc ttccctgttt 360  
 ttaatctcat ttgagagtga tctcacggg ttcccctggc cctgcactc attttcctta 420  
 ctgggtatgc taacgttcct cgtgc 445

<210> 291  
<211> 425  
<212> DNA  
<213> Homo sapiens

<400> 291  
 aatatgccac aatttttatt gcaacgtggc cattttttgt aggggtgggga gtttgatctc 60  
 aaaacaatgt tccatttaag gctcttttat acagaaattg ccatcatgac tgatattcaa 120

aatatcttta	gtgttcgagg	actcacatgg	taaacataaa	actcctacac	ttattcagta	180
gtgtacactc	aatggaaaac	aaaaaggcat	taataacagc	tatttccttt	aagaagatat	240
gcaggtaaca	ggaatgaaca	ctgaggtact	aggataagtt	gatgacacag	ttaacaaaac	300
ttaattggca	ttccttttag	gatattaaac	ttattacaaa	aagtgccttt	aatgcatagt	360
gttatatccg	tgctgccata	tcactaaaat	aggcttgcca	aggcaggggtg	agggtgatga	420
atgcg						425

<210> 292  
 <211> 566  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400>	292						
tcctctccgc	gaactngcac	caactttatt	tgcaaaaaga	ggctccaagc	gcacggagag	60	
gatgggggct	gcaagggtccc	cacctctctc	ccggcctccc	gcggctcctg	ccctcctcca	120	
ggccccccac	ggcccccgcc	ccgcnagcta	cacgatcccg	aactnngcac	nctntanggc	180	
agctgatcgc	ggcagctntg	ctcgaaccac	ttgccgttgg	cgcgcctgac	aggaccgcgc	240	
agttctcggt	cttgccgcca	tcgggttgcg	cgggtgatctc	agtctcccag	ttcttgtagg	300	
cgatgcgggc	gccggtcattg	tcaccccagg	tgccctcggn	cgccatgtcg	ttgaggccca	360	
gccagatctc	ggcctcgttg	cccacgctct	ggcgcaggta	ctcatacagg	gcgtcgttct	420	
ccgagccagt	ctgaggggtg	ctcaggggtgc	cccgcgcgag	atgcagttct	cgctgggctc	480	
gtggaangtc	ttcgtctggg	tgaaggcaga	aagcatttta	tgtgnacttt	gggtcccntt	540	
naggaanac	gtttgaaggg	ctgctg				566	

<210> 293  
 <211> 461  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400>	293						
caaataagta	aaacattatc	aatgtttccg	ttttaaatata	ccatgtatta	acaatatata	60	
ctttaatata	tttttcactt	tttcctaatt	tgtaccttta	tagttgacta	ttgcagtttt	120	
taatatatttc	acaaaaaaat	gtaaagggtca	cagaataata	atttcccttc	actgatgatt	180	
aacattgctt	tgagaggtct	cagcagcatg	gtcattttta	tggtccaca	ttaccatgca	240	
aagaaggact	gcctgcattt	tgaataacat	attaaatagc	tgtggcatac	tgctgaaata	300	
cacattaaat	agctgtggca	tactgctgaa	atacacatta	aatnagctgt	ggcatactgc	360	
tgaataacac	attaaatagc	tgtggcatac	tgctgaaata	cacattaaat	agctgtggca	420	
tactgctgaa	atacacatta	aatagctgtg	gcatactgct	n		461	

<210> 294  
 <211> 406  
 <212> DNA  
 <213> Homo sapiens

<400> 294  
cactaggaaa caaaggatat tttattcctt ttttctgttg ttgttgagga tagatcacga 60  
tacagagaac agcaatgggt cacagcgac ggttggttg gtttcgcgg gaacacagag 120  
gacaggagg gcggtatctg ggttgagtc ccactctcgt tatgacctc aacctctcac 180  
tgttcccaag ggctgcacgg agcctgctga gtctccaacc cacctcgctc accgctctga 240  
ccaccgacag cacgagaaac ggatgcggga gttgcctctg ctgcccattc aaggggacgt 300  
aggcagagaa gcaaaggcct ctgctctccc tccatccatc ccggtgtgct ggccccaacg 360  
gaacaggagt ccttcaacta ttgcctgcc a gagaccaat tgcagg 406

<210> 295  
<211> 5180  
<212> DNA  
<213> Homo sapiens

<400> 295  
accgggagcg cgcgctctga tccgaggaga ccccgcgctc ccgcagccat gggcaccggg 60  
ggccggcggg gggcgggcggc cgcgcgctg ctggtggcgg tggccgcgct gctactgggc 120  
gccgcggggc acctgtacc cggagagggtg tgtcccgga tggatatccg gaacaacctc 180  
actaggttgc atgagctgga gaattgctct gtcatcgaag gacacttgca gatactcttg 240  
atgttcaaaa cgaggcccga agatttccga gacctcagtt tcccaaaact catcatgatc 300  
actgattact tgctgctctt ccgggtctat gggctcgaga gcctgaagga cctgttcccc 360  
aacctcacgg tcatccgggg atcacgactg ttctttaact acgcgctggt catcttcgag 420  
atggttcacc tcaaggaaact cggcctctac aacctgatga acatcacccg gggttctgtc 480  
cgcactgaga agaacaatga gctctgttac ttggccacta tgcactggtc ccgtatcctg 540  
gattccgtgg aggataatta catcgtgttg aacaagatg acaacgagga gtgtggagac 600  
atctgtccgg gtaccgcgaa gggcaagacc aactgcccc ccaccgtcat caacgggcag 660  
tttgtcgaac gatgttgga tcatagtcac tgccagaaag tttgcccga catctgtaag 720  
tcacacggct gcaccgcga aggcctctgt tgccacagcg agtgccctgg caactgttct 780  
cagcccagcg accccacca gtgcgtggcc tgccgcaact tctacctgga cggcaggtgt 840  
gtggagacct gcccgcctcc gtactaccac ttccaggact ggcgctgtgt gaacttcagc 900  
ttctgccagg acctgcacca caaatgcaag aactcgcgga ggcagggctg ccaccagtac 960  
gtcattcaca acaacaagt catccctgag tgtccctccg ggtacacgat gaattccagc 1020  
aacttgctgt gcaccccat cctgggtccc tgtcccaagg tgtgccacct cctagaaggc 1080  
gagaagacca tgcactcggg gacgtctgcc caggagctcc gaggatgcac cgtcatcaac 1140  
gggagtctga tcatcaacat tgcaggaggc aacaatctgg cagctgagct agaagccaac 1200  
ctcggcctca ttgaagaaat ttcagggtat ctaaaaatcc gccgatacta cgtctgtgtg 1260  
tactcttctt tcttccggaa gttacgtctg attcgaggag agaccttga aattgggaac 1320  
tactccttct atgccttgg caaccagaac ctaaggcagc tctgggactg gagcaaacac 1380  
aacctcacca tcaactcagg gaaactcttc ttccactata accccaaact ctgcttgtca 1440  
gaaatccaca agatggaaga agtttcagga accaaggggc gccaggagag aaacgacatt 1500  
gccctgaaga ccaatgggga ccaggcatcc tgtgaaaatg agttacttaa attttcttac 1560  
attcgacat cttttgacaa gatcttctgt agatgggagc cgtactggcc ccccgacttc 1620  
cgagacctct tggggttcat gctgttctac aaagaggccc cttatcagaa tgtgacggag 1680  
ttcgacgggc aggatgcat tggttccaac agttggacgg tggtagacat tgaccaccc 1740  
ctgaggtcca acgaccccaa atcacagaac caccagggt ggctgatgcg gggctctcaag 1800  
ccctggacc agtatgccat ctttgtgaag accctggtca ctttttcgga tgaacgcgg 1860  
acctatgggg ccaagagtga catcatttat gtccagacag atgccacaa cccctctgtg 1920  
ccctggatc caatctcagt gtctaactca tcatcccaga ttattctgaa gtggaaacca 1980  
ccctccgacc ccaatggcaa catcacccac tacctggttt tctgggagag gcaggcgga 2040  
gacagtgagc tgttcgagct ggattattgc ctcaaagggc tgaagctgcc ctcgaggacc 2100  
tggtctccac cattcgagtc tgaagattct cagaagcaca accagagtga gtataggat 2160  
tcggccggcg aatgctgctc ctgtccaaag acagactctc agatcctgaa ggagctggag 2220



gagtcctcgt	ttaggagaagc	gtttgaggat	tacctgcaca	acgtgggtttt	cgtccccagg	2280
ccatctcggg	aacgcaggtc	ccttggcgat	gttggaatg	tgacgggtggc	cgtgcccacg	2340
gtggcagctt	tccccaacac	ttcctcgacc	agcgtgccca	cgagtcggga	ggagcacagg	2400
ccttttgaga	aggtggtgaa	caaggagtcg	ctggtcatct	ccggcttgcg	acacttcacg	2460
ggctatcgca	tcgagctgca	ggcttgcaac	caggacaccc	ctgaggaacg	gtgcagtgtg	2520
gcagcctacg	tcagtgcgag	gaccatgcct	gaagccaagg	ctgatgacat	tgttggccct	2580
gtgacgcagt	aaatctttga	gaacaacgtc	gtccacttga	tgtggcagga	gccgaaggag	2640
cccaatggtc	tgatcgtgct	gtatgaagtg	agttatcggc	gatatggtga	tgaggagctg	2700
catctctgcg	tctcccga	gcacttcgct	ctggaacggg	gctgcaggct	gcgtgggctg	2760
tcaccgggga	actacagcgt	gcgaatccgg	gccacctccc	ttgcggggcaa	cggctcttgg	2820
acggaaccca	cctatttcta	cgtgacagac	tatttagacg	tcccgtaaaa	tattgcaaaa	2880
attatcatcg	gccccctcat	ctttgtcttt	ctcttcagtg	ttgtgattgg	aagtatttat	2940
ctattcctga	gaaagaggca	gccagatggg	ccgctggggac	cgttttacgc	ttcttcaaac	3000
cctgagtatc	tcagtgccag	tgatgtgttt	ccatgctctg	tgtacgtgcc	ggacgagtgg	3060
gaggtgtctc	gagagaagat	cacctcctt	cgagagctgg	ggcagggctc	cttcggcatg	3120
gtgtatgagg	gcaatgccag	ggacatcatc	aagggtgagg	cagagacccg	cgtggcgggtg	3180
aagacgggtc	acgagtcagc	cagtcctcca	gagcggattg	agttcctcaa	tgaggcctcg	3240
gtcatgaagg	gcttcacctg	ccatcacgtg	gtgcgcctcc	tgggagtggg	gtccaagggc	3300
cagcccacgc	tggtggtgat	ggagctgatg	gctcacggag	acctgaagag	ctacctccgt	3360
tctctgcggc	cagaggctga	gaataatcct	ggccgccttc	cccctaccct	tcaagagatg	3420
attcagatgg	cggcagagat	tgctgacggg	atggcctacc	tgaacgccaa	gaagtttgtg	3480
catcgggacc	tggcagcgag	aaactgcatg	gtcgcccatg	attttactgt	caaaattgga	3540
gactttggaa	tgaccagaga	catctatgaa	acggattact	accggaaagg	gggcaagggg	3600
ctgctccctg	tacgggtggat	ggcaccggag	tccctgaagg	atgggggtctt	caccacttct	3660
tctgacatgt	ggtcccttgg	cgtggtcctt	tgggaaatca	ccagcttggc	agaacagcct	3720
taccaaggcc	tgtctaata	acagggtgtt	aaatttgtca	tggatggagg	gtatctggat	3780
caacccgaca	actgtccaga	gagagtcact	gacctcatgc	gcatgtgctg	gcaattcaac	3840
cccaacatga	ggccaacctt	cctggagatt	gtcaacctgc	tcaaggacga	cctgcacccc	3900
agctttccag	aggtgtcggt	cttcacacagc	gaggagaaca	aggctcccga	gagtgaggag	3960
ctggagatgg	agtttgagga	catggagaat	gtgccctcgg	accgttcctc	gcactgtcag	4020
agggaggagg	cggggggccg	ggatggaggg	tctcgctgg	gtttcaagcg	gagctacgag	4080
gaacacatcc	cttacacaca	catgaacgga	ggcaagaaaa	acgggcggat	tctgaccttg	4140
cctcgggtcca	atccttcta	acagtgccca	ccgtggcggg	ggcgggcagg	ggttcccatt	4200
ttcgctttcc	tctggtttga	aagcctctgg	aaaactcagg	attctcacga	ctctaccatg	4260
tccaatggag	ttcagagatc	gttcctatac	atttctgttc	atcttaaggt	ggactcgttt	4320
ggttaccat	ttaactagtc	ctgcagagga	tttaactgtg	aacctggagg	gcaaggggtt	4380
tccacagttg	ctgctccttt	ggggcaacga	cggtttcaaa	ccaggatttt	gtgttttttc	4440
gttcccccca	cccgccccca	gcagatggaa	agaaagcacc	tgtttttaca	aattcttttt	4500
tttttttttt	ttttttgctg	gtgtctgagc	ttcagtataa	aagacaaaac	ttctgttttg	4560
tggaaacaaa	gttcgaaaga	aaaaacaaaa	caaaaacacc	cagccctgtt	ccaggagaat	4620
ttcaagtttt	acaggttgag	cttcaagatg	gttttttttg	tttttttttt	ttctctcatc	4680
caggctgaag	gatttttttt	ttcttttaca	aatgagttcc	tcaaattgac	caatagctgc	4740
tgctttcata	ttttggataa	gggtctgtgg	tcccgcgctg	tgtcacgtg	tgtatgcacg	4800
tgtgtgtgtc	cattagacac	ggctgacgtg	tgtgcaaaat	atccatgcgg	agttgatgct	4860
ttgggaattg	gctcatgaag	gttcttctca	aggggtgcgag	ctcatcccc	tctctccttc	4920
cttcttattg	actgggagac	tgtgctctcg	acagattctt	cttgtgtcag	aagtctagcc	4980
tcagggtttct	acctccctt	cacattgggtg	gccaagggag	gagcatttca	tttggagtga	5040
ttatgaatct	tttcaagacc	aaaccaagct	aggacattaa	aaaaaaaaaa	aagaaaaaga	5100
aagaaaaaac	aaaatggaaa	aaggaaaaaa	aaaaagaact	gagatgacag	agttttgaga	5160
atatattttgt	accatatttta					5180

<210>	296
<211>	2532

<212> DNA  
<213> Homo sapiens

<400> 296  
 agtgactca agcagagaag aaatccacaa agactcacca gtctgctggt gggcagagaa 60  
 gacagaaacg acatgagcac agcaggaaaa gtaatcaaat gcaaagcagc tgtgctatgg 120  
 gaggtaaaaga aacccttttc cattgaggat gtggaggttg cacctcctaa ggcttatgaa 180  
 gttcgcattha agatgggtggc tgtaggaatc tgtcgcacag atgaccacgt ggtagtggtc 240  
 aacctgggtga ccccccttcc tgtgatttta ggccatgagg cagccggcat cgtggagagt 300  
 gttggagaag ggggtgactac agtcaaacca ggtgataaag tcatcccgtc ctttactcct 360  
 cagtgtggaa aatgcagagt ttgtaaaaac ccggagagca actactgctt gaaaaatgat 420  
 ctaggcaatc ctccgggggac cctgcaggat ggcaccagga ggttcacctg cagggggaag 480  
 cccattcacc acttccttgg caccagcacc ttctcccagt acacgggtggg ggatgagaat 540  
 gcagtggcca aaattgatgc agcctcgccc ctggagaaaag tctgcctcat tggctgtgga 600  
 ttctcgactg gttatgggtc tgcagttaac gttgccagg tccccagg ctctacctgt 660  
 gctgtgtttg gcctgggagg ggtcggccta tctgctgtta tgggctgtaa agcagctgga 720  
 gcagccagaa tcattgcggg ggacatcaac aaggacaaat ttgcaaaggc caaagagttg 780  
 ggtgccactg aatgcatcaa cctcaagac tacaagaaac ccatccagga agtgctaaag 840  
 gaaatgactg atggaggtgt ggatttttcg tttgaagtca tccgtcggct tgacaccatg 900  
 atggcttccc tgttatgttg tcatgaggca tgtggcacia gcgtcatcgt aggggtacct 960  
 cctgcttccc agaacctctc aataaaccct atgctgttac tgactggacg cacctggaag 1020  
 ggggctgttt atgggtggctt taagagtaaa gaaggatcc caaaacttgt ggctgatttt 1080  
 atggctaaga agttttcact ggatgcgtta ataaccatg ttttaccttt tgaaaaata 1140  
 aatgaaggat ttgacctgct tcatctggg aaaagatcc gtaccgtcct gacgttttga 1200  
 ggcaatagag atgccttccc ctgtagcagt cttcagcctc ctctacccta cgagatctgg 1260  
 agcaacagct aggaatatc attaattcag ctcttcagag atgttatcaa taaattacac 1320  
 atgggggctt tccaaagaaa tggaaattga tgggaaatta tttttcagga aaatttaaaa 1380  
 ttcaagtcag aagtaataaa agtgttgaac atcagctggg gaattgaagc caacaaacct 1440  
 tccttcttaa ccattctact gtgtcacctt tgccattgag gaaaaatatt cctgtgactt 1500  
 cttgcatttt tggatcttcc ataactttta gtcacgaat cccagtggag gggacccttt 1560  
 tacttgccct gaacatacac atgctgggcc attgtgattg aagtcttcta actctgtctc 1620  
 agttttcact gtcgacattt tcctttttct aataaaaatg taccaaatcc ctggggtaaa 1680  
 agctagggtg aggtaaagga tagactcaca tttaacaagta gtgaagggtcc aagagttcta 1740  
 aatacaggaa atttcttagg aactcaaata aaatgccac attttactac agtaaatggc 1800  
 agtgttttta tgacttttat actatttctt tatgggtcgt atacaattga ttttttaaaa 1860  
 taatagcaga tttcttgctt catatgacaa agcctcaatt actaattgta aaaactgaac 1920  
 tattcccaga atcatgttca aaaaatctgt aattttgctg atgaaagtgc ttcattgact 1980  
 aaacagtatt agtttgtggc tataaatgat tatttaggat gatgactgaa aatgtgtata 2040  
 agtaattaaa agtaatatgg tggctttaag tgtagagatg ggatggcaaa tgctgtgaat 2100  
 gcagaatgta aaattggtaa ctaagaaatg gcacaaacac cttaagcaat atattttcct 2160  
 agtagatata tatatacaca tacatatata cacatatata aatgtatatt tttgcaaaat 2220  
 tgttttcaat ctagaacttt tctattaact accatgtctt aaaatcaagt ctataatcct 2280  
 agcattagtt taatattttg aatatgtaaa gacctgtgtt aatgctttgt taatgctttt 2340  
 cccactctca tttgttaatg ctttcccact ctccggggaa ggatttgcct tttgagcttt 2400  
 atctctaaat gtgacatgca aagattatcc ctggtaagg aggtagctgt ctccaaaaat 2460  
 gctattgttg caatatctac attctatttc atattatgaa agacctaga cataaagtaa 2520  
 aatagtttat ca 2532

<210> 297  
<211> 2299  
<212> DNA  
<213> Homo sapiens

<400> 297

cgaacccccca	cagctggagg	gcgaggccag	ctgtacccgg	ccccagtgcc	ctttcgcggc	60
cacaagcggc	cgtcctcctg	gtccgggtgt	ccggcgccctg	atctaggttc	atggagccgg	120
ggctgtggct	ccttttcggg	ctcacagtga	cctccgcgcg	aggattcgtg	ccttgctccc	180
agtctgggga	tgtctggcagg	cgcggcggtg	cccaggcccc	cactgcagcc	agatctgagg	240
gggactgtga	agagactgtg	gctggccctg	gcgaggagac	tgtggctggc	cctggcgagg	300
ggactgtggc	cccagacagca	ctgcagggtc	caagccctgg	aagccctggg	caggagcagg	360
cggccgaggg	ggcccttgag	caccaccgat	ccaggcgctg	cacgtgcttc	acctacaagg	420
acaaggagtg	tgtctactat	tgccacctgg	acatcatttg	gatcaacact	cccgaacaga	480
cgggtgcccta	tggactgtcc	aactacagag	gaagcttccg	gggcaagagg	tctgcggggc	540
cacttccagg	gaatctgcag	ctctcacatc	ggccacactt	gcgtgcgct	tgtgtgggga	600
gatatgacaa	ggcctgcctg	cacttttgca	cccaaactct	ggacgtcagc	agacaggttg	660
aagtcaagga	ccaacaaagc	aagcaggctt	tagacctcca	ccatccaaag	ctcatgcccg	720
gcagtggact	cgccctcgct	ccatctacct	gccccgcgtg	cctctttcag	gaaggagccc	780
cttaggagga	caggcctgca	gcatcctggt	ctcgggaggc	ttctgtcatt	gctcacacac	840
agttcagatt	tccacctctt	tatagacaag	aagtgaattt	gcctggggca	gaacacccac	900
ccaaagagtc	cccacttaac	aataaccccc	ccccacggca	agaatgcccc	aatccgaatg	960
accccagttt	tcctaattgag	taaaatgac	ccagatgtgc	cccagagcat	gacgcctgca	1020
gctccggttt	catgcaggaa	attgggtttg	gagagttttg	gcaagttgga	aagccactta	1080
ctggcttttg	acatgacttc	tcttgagaa	taagtggact	ccaagctaac	tctttgcaaa	1140
tgtaaacaca	tgtccatctt	gtaataaatg	caaaatgccc	gtgcagcaga	agcatgcgac	1200
tttcatatcc	ttgcctagaa	taggctgcat	ggtgtatgtc	agtgagggcc	acgaggcgct	1260
ggcttttagac	acagatcata	gctctacagg	agtttatgaa	tttgaagctt	atgggatttt	1320
ggcagagaaa	ttttcagctg	tgcttgatac	ccacccaaaag	aatgtatctc	gaaagaatga	1380
aggaagaaga	aaaaaggatc	cttgatgttt	gtgacaagaa	aatgagaaag	ttagtatctg	1440
caatacacag	cttggttcctg	ttcagtga	gaccctctgt	attctgtata	gacaccaggc	1500
cgatacacag	tggagttccc	aggccttggt	tgcaggaagc	cgactgtaaa	gacagcccca	1560
gctcaaggct	attaggttga	atatttgctt	tcatgagtaa	atgtggatct	ttgggggaatg	1620
gcttcaaaat	aagtcacgaa	cacaaattct	ttgtaaatta	tgtaaattcc	tgtttatata	1680
aatttgcaac	aacttatacc	gtctgacagt	tcaaaatctc	tttcagctgc	gctcttccca	1740
ccgagccgag	cttactgtga	gtgtggagat	gttatccac	catgtaaagt	cgcctgcgca	1800
ggggagggct	gcccactctc	ccaacccagt	cacagagaga	taggaaacgg	catttgagtg	1860
ggtgtccagg	gccccgtaga	gagacattta	agatggtgta	tgacagagca	ttggccttga	1920
ccaaatgtta	aatcctctgt	gtgtatttca	taagttatta	caggtataaa	agtgatgacc	1980
tatcatgagg	aaatgaaagt	ggctgatttg	ctggtaggat	tttgtacagt	ttagagaagc	2040
gattatttat	tgtgaaactg	ttctccactc	caactccttt	atgtggatct	gttcaaagta	2100
gtcactgtat	atacgtatag	agaggtagat	aggtaggtag	attttaaatt	gcattctgaa	2160
tacaaactca	tactccttag	agcttgaatt	acatttttaa	aatgcatatg	tgctgtttgg	2220
caccgtggca	agatggtatc	agagagaaac	ccatcaattg	ctcaaatact	cagaaagtac	2280
tgtcaaaagc	ctaataaaa					2299

<210> 298

<211> 3881

<212> DNA

<213> Homo sapiens

<400> 298

gctgaagtgt	tgcaccagca	ggaggttttc	tcctcagccc	actcgctgca	tccagatcag	60
ctcacccccg	gcccttttct	gccaccagg	actctgatag	cccctggcag	ccacagccca	120
ttttgccaa	atgtctagag	tagccaaata	tgcgccgag	tgagtgaaga	ccccgacatc	180
gacagcctgc	tgggacctg	tctcccagg	agatggagga	gctggagaag	gagctggacg	240
tgggtggacc	agacgggagt	gttcccgtgg	ggctgcggca	gagaaaccag	acggagaaac	300
agtcacacgg	tgtgtacaac	cgggaggcca	tgctcaactt	ctgtgaaaag	gagaccaaga	360

aacttatgca	gagggagatg	tccatggatg	aaagcaagca	agtggagacc	aagacagatg	420
ccaagaatgg	acaggaaagg	ggcagagatg	ccagcaaaaa	agccctgggc	cccagacgga	480
actcagatct	ggggaaggag	ccaaagaggg	gtgggtttaa	gaaaagcttc	tctagagaca	540
gagatgaagc	tgggtggcaag	agtggcgaga	agcccaagga	ggagaagatc	atccggggca	600
ttgacaaggg	ccgggtcagg	gctgcagtgg	ataagaagga	ggcagggaag	gatgggagag	660
gagaggagag	ggcagtggcc	accaagaagg	aagaggagaa	gaaagggggg	gacaggaaca	720
caggcttgag	cagggacaag	gataaaaaag	gagaggagat	gaaggagggtg	gccaagaaaag	780
aggatgatga	gaaggtaaaa	ggggagcgta	ggaacacaga	caccagaaaa	gaggggtgaga	840
agatgaaaag	agcagggtggg	aacacagaca	tgaaaaagga	ggatgagaag	gtaaaaagag	900
gaactgggaa	cacagacacc	aaaaaggacg	atgaaaaagt	caagaagaat	gaacccttac	960
atgaaaagga	agccaaggat	gacagcaaga	ccaaaacacc	cgagaaacag	acgcccagtg	1020
gccccaccaa	gcctctgaa	ggaccggcca	agggtggagga	ggaggcagct	cccagcatat	1080
ttgatgagcc	tctggagaga	gtgaagaaca	atgaccccga	gatgactgag	gtgaacgtca	1140
acaactcaga	ctgcatcaca	aatgagatct	tgggtccggt	tactgaggct	ctggagttca	1200
acactgtggt	taagctgttc	gccttgggcca	acacgcgagc	cgatgaccac	gtggcctttg	1260
ccattgccat	catgctcaag	gccaacaaga	ccatcaccag	cctcaacctg	gactccaacc	1320
acatcacagg	caaaggcatc	ctggccatct	tccggggcct	cctccagaac	aacacgctga	1380
ccgagctccg	cttcacaaac	cagcgacaca	tctgtggagg	caagacggag	atggagatcg	1440
ccaagctgct	gaaggagaat	acctccctgc	tcaagctggg	ctaccatttt	gagctggccg	1500
ggccccgaat	gactgtcacc	aatctgctca	gccgcaacat	ggacaagcag	agacaaaagc	1560
ggctgcagga	gcaaaggcag	gcacaggaag	ccaagggaga	gaagaaggat	ctgctggagg	1620
taccaaggcc	cggggccgtg	gctaagggct	ccccaaaacc	ttcacctcaa	ccatctccaa	1680
agccctctcc	aaagaactca	ccccaaaaag	ggggtgctcc	agctgcccc	ccaccctctc	1740
ccctccctt	ggctccacc	cttatcatgg	agaacctgaa	gaattcactc	tcaccagcta	1800
cccagaggaa	gatgggagac	aaagtccctc	ctgcccagga	gaagaactcc	cgtgaccagc	1860
tattggctgc	catccgctcc	agcaacctca	agcagctcaa	gaagggtgaa	gtgcccaaac	1920
tgettccagta	ggaccaggct	gccaggcacc	atctgccaat	gccatgactg	ctcaggcctc	1980
acctcccagg	gctacacaga	ccctgccacc	cccatccctg	gctgacctgc	tgtggatgtc	2040
cctattctgc	catgggagcg	tccaggcctg	ggtcacgctc	aaggaaggat	gccttatctc	2100
ttctcacttt	ccttttcttg	tctctgaggc	tctccaaatt	ttgctttagt	acatggagct	2160
caggtttctg	gacaagaaga	gtccttttag	cacatcactg	agaagatggc	actgtccagg	2220
gcccattgtag	ctggcaagct	gcaaaaggcc	tgtgatccag	gaaagatgtc	ccacagggac	2280
cacatccacc	ccagccccac	tgcctccag	ggccaggatt	caggcctctg	aggagcccac	2340
ggggcaaagc	tgctgggcca	gtggcactct	gtgtgggaaa	atggcagaaa	gatggagagg	2400
catgggggccc	caaaggggag	cgtggggagg	ggctgaggat	accccaaagt	ccaggctaata	2460
tagaggatgt	ggcaggggca	gtggcctgga	tgcacagtgc	ctgatgggag	taggctccag	2520
acaggaggag	tgggacagac	agcagctgga	cttgaagggt	tgatgccaaa	gcagacattt	2580
tcctcacacc	cacctgctgc	tgtatgaata	gctgtgtatc	tgtttttcca	taagattttg	2640
ataatatata	caaaccttta	gctgtgaatg	gctgtgcccc	acctgttgtc	ctgaactgtg	2700
agtcctgatc	ctaaccctgg	gctccctgga	ggactctaga	agctcagggt	ccctgccaca	2760
ctattttgagt	tggccaagaa	ataaattcac	atcctcagaa	agtgcagcat	ggaggaaaat	2820
ctgaactcta	agcagaagac	tctccactga	cctgggtgtc	caggctctaga	aggccaggcc	2880
tctactaggt	ctgctcctga	accagtcctg	ctgcctggag	tcagtagcca	gagttgttct	2940
caggggtgct	ggggcagagt	ggagcccagg	gtgctgggat	ggctatatta	ggcatgttca	3000
gggatgctca	ttccatgact	ctgcctaacc	atgggctcag	ggccagggtc	tcacagcagt	3060
cacaggccca	ggaaggcggc	aggcagagaa	gtggagtga	tatttgagga	atagcaccca	3120
tatctgtgtg	ccctagggct	cagaggggccc	tcactctccc	cagccctccc	cacctgctca	3180
ccaattccac	ttcctgcccc	aactgcagga	atgctgacaa	tgctgccatg	cccaccatcg	3240
gggtgtaggtg	aaaggcatct	ttctgaattt	cattctcttg	aagggtgctgc	cacccttggtg	3300
cactgtggaa	ctgccacctt	gggtctgtgt	cacttgtagg	tttctctgcc	tccaggttgc	3360
ctcaacagca	ggaggcacag	cagtttcacc	atctttgagg	tgagggtggg	gtgccccagc	3420
taggaagcaa	gatcgctgtg	ctaggtctga	ccaaaaccag	agggcagttc	agtcctgggg	3480
gtaaagccct	cagatcccag	ggtacactct	tctccattcc	ctccaccac	ttgcctgtca	3540
ccccagtcac	ctaagcaatc	actgggcccc	gaggagagga	gacagacaca	cactggctcc	3600

tggacctaaa	gggtatgagc	tggagctaag	gccagctaga	gcttccactg	tcagccctca	3660
ctgtcagccc	cactgcaccc	ccctgtgcct	gctgggcact	gggcactagc	tagatgcttt	3720
aggttgcttc	agctgaccc	tcaactctgt	gaggtggata	ccaatattct	attttgcaga	3780
tagaatttgg	cccagagagg	ttaactaata	tatccatgat	cacacagcta	ataaaagtca	3840
gagctcagga	aaaaaaaaa	aaaaaaaaa	aaaaaaaaa	a		3881

<210> 299  
 <211> 3547  
 <212> DNA  
 <213> Homo sapiens

<400> 299						
gcactcgccc	ggctcgccc	ctttcgccc	cagttcacgc	gccacagcta	tgtgtcccc	60
agccgcgcg	gcgcccgcg	cgctactcct	cgccctgggc	gcggtgctgt	ggcctgcggc	120
tggcgccctg	gagcttacga	ttttgcacac	caacgacgtg	cacagccggc	tggagcagac	180
cagcgaggac	tccagcaagt	gcgtcaacgc	cagccgctgc	atgggtggcg	tggctcggct	240
cttcaccaag	gttcagcaga	tccgcccgcg	cgaacccaac	gtgctgctgc	tggacgccgg	300
cgaccagtac	cagggcacta	tctggttcac	cgtgtacaag	ggcgccgagg	tggcgccact	360
catgaacgcc	ctgcgctacg	atgccatggc	actgggaaat	catgaatttg	ataatgggtg	420
ggaaggactg	atcgagccac	tcctcaaaga	ggccaaattt	ccaattctga	gtgcaaacat	480
taaagcaaag	gggcccactg	catctcaa	atcaggactt	tatttgccat	ataaagttct	540
tcctgttgg	gatgaagttg	tgggaatcgt	tggatacact	tccaaagaaa	ccccttttct	600
ctcaaattca	gggacaaatt	tagtgtttga	agatgaaatc	actgcattac	aacctgaagt	660
agataagtta	aaaactctaa	atgtgaacaa	aattattgca	ctgggacatt	cgggttttga	720
aatggataaa	ctcatcgctc	agaaagttag	gggtgtggac	gtcgtggtgg	gaggacactc	780
caacacattt	ctttacacag	gcaatccacc	ttccaaagag	gtgcctgctg	ggaagtaccc	840
attcatagtc	actttctgat	atgggaggaa	gggttcctgta	gtccaggcct	atgcttttgg	900
caaataccta	ggctatctga	agatcgagtt	tgatgaaaga	ggaaacgtca	tctcttccca	960
tggaaatccc	attcttctaa	acagcagcat	tcctgaagat	ccaagcataa	aagcagacat	1020
taacaaatgg	aggataaaat	tggataatta	ttctaccag	gaattagggg	aaacaattgt	1080
ctatctggat	ggctcctctc	aatcatgccg	ctttagagaa	tgaacatgg	gcaacctgat	1140
ttgtgatgca	atgattaa	acaacctgag	acacacggat	gaaatgttct	ggaaccacgt	1200
atccatgtgc	attttaaatg	gaggtgggat	ccggtcgccc	attgatgaac	gcaacaatgg	1260
cacaattacc	tgggagaacc	tggctgctgt	attgcccttt	ggaggcacat	ttgacctagt	1320
ccagttaaaa	gggtccaccc	tgaagaaggc	ctttgagcat	agcgtgcacc	gctacggcca	1380
gtccactgga	gagttcctgc	aggtgggagg	aatccatgtg	gtgtatgatc	tttccgaaa	1440
acctggagac	agagtagtca	aattagatgt	tctttgcacc	aagtgtcgag	tggccagtta	1500
tgacctctc	aaaatggacg	aggtatataa	gggtatcctc	ccaaacttcc	tggccaatgg	1560
tggagatggg	ttccagatga	taaaagatga	attattaaga	catgactctg	gtgaccaaga	1620
tatcaacgtg	gtttctacat	atatctccaa	aatgaaagta	atttatccag	cagttgaagg	1680
tcggatcaag	ttttccacag	gaagtcactg	ccatggaagc	ttttctttaa	tatttctttc	1740
actttgggca	gtgatctttg	ttttatacca	atagccaaaa	attctccttg	cctttaatgt	1800
gtgaaactgc	attttttcaa	gtgagattca	aatctgcctt	ttaggacctg	gctttgtgac	1860
agcaaaaacc	atcttttacag	gtccttagaa	gctgaagggt	agagcattat	aaaatgaaga	1920
gacagacatg	attactcagg	gtcagcaacc	tagtgagtta	gaaaaaaaat	taacataggg	1980
ccctataagg	agaaagccaa	ctatgttaag	tttacgtgtc	caaattttta	tgaattttta	2040
ctaacaattt	taaaccatat	ttttcttctt	catatccatt	tctaatecat	caaacagctt	2100
atgtttacat	aaaattttat	cattcacaag	gaagttttta	gcacactgtc	tcatttgata	2160
tccacaactt	attttttgta	ggaaagagag	atgtttttcc	cacctgtcag	atgaaaaaac	2220
tgaagctcaa	aaagggttga	cttgaccata	cagctaattg	tgacagatcc	aagacctaga	2280
cctaggtctt	ttgaactcaa	gtccagcatt	ctcaactata	tcaagttact	gttcagaata	2340
cttaatatct	cctctcttca	taattatcaa	tagccccaag	ctcatggatg	acaaatctct	2400
gctttatttc	ttgtctctat	tttttcaact	tatagctcct	gttataatag	caagtttaat	2460

ggtataaaca	caggatacca	tectctcttg	caacacccat	gtgcctttga	tgagtcaggt	2520
agcaagctgt	agtagataat	gagaaaggcc	agaggctgca	aagacagtca	aaggacacga	2580
gagaaaggaa	ggggaagaac	aggactccag	gactgtttta	tattatagaa	aagcaagagc	2640
taaagagcat	ttacacatgt	taaacagata	cttgtaagc	atagtgcctg	acacacggca	2700
ttagctgtta	ttttatgaga	ttccatcagc	tctgcctctg	tcctctttct	tctaactatga	2760
aggtatcatg	agaagagaac	cttctaacat	aagctgtaat	tctaaacctg	cacttgcccc	2820
tctccagcaa	gaggctagca	ctgaattcat	tctactcata	ctacacaccc	agttatggaa	2880
tgccagagt	tctcgaagaa	aataaatgac	tttaggaaga	ggtatacatt	ttttaagtcg	2940
ctctgcctcc	aaatctgaac	agtcactgta	aatcattctt	aagcccagat	atgagaactt	3000
ctgctggaaa	gtgggaccct	ctgagtgggt	ggtcagaaaa	tacccatgct	gatgaaatga	3060
cctatgcccc	aagaacaaat	acttaacgtg	ggagtggaa	cacatgagcc	tgctcagctc	3120
tgcataagta	attcaagaaa	tgggaggctt	caccttaaaa	acagtgtgca	aatggcagct	3180
agaggttttg	ataggaagta	tgtttgtttc	ttagtgttta	caaataattaa	gtactcttga	3240
tacaaaatat	acttttaaac	ttcataacct	ttttataaaa	gttggtgcag	caaaataata	3300
gcctcggttc	tatgcatata	tggattgcta	taaaaaatgt	caataagatt	gtacaaggaa	3360
aattagagaa	agtcacattt	agggtttatt	ttttacactt	ggccagtaaa	atagggtaaa	3420
tcctattaga	aattttttta	agaacttttt	ttaagtttcc	taaatctgtg	tgtgtattgt	3480
gaagtgggat	aagaaatgac	tttgaaccac	tttgcaattg	tagattccca	acaataaaat	3540
tgaagat						3547

<210> 300  
 <211> 1426  
 <212> DNA  
 <213> Homo sapiens

<400> 300						
cggagcggga	gcggtgcagg	ctgaggtctc	cgagcggctc	gccatggctg	gcccgcagca	60
gcagccccct	tacctgcacc	tggccgagct	gacggcgctc	cagttcctgg	aaatatggaa	120
gcactttgac	gcagacggaa	atgggtatat	tgaaggtaaa	gagctagaaa	actttttcca	180
agagctggag	aaggcaagga	aaggctctgg	catgatgtca	aagagtgaca	actttggaga	240
aaagatgaag	gagttcatgc	agaagtatga	taaaaactca	gatgggaaaa	tcgagatggc	300
agagctggcg	cagatcctgc	caaccgaaga	gaacttcctt	ctgtgcttca	ggcagcacgt	360
gggctccagc	gccgagttta	tggaggcttg	gcggaagtac	gacacagaca	ggagtggcta	420
catcgaagcc	aatgagctca	agggattcct	gtcagacctg	ctgaagaagg	cgaaccggcc	480
gtacgatgag	cccaagctcc	aggaatacac	ccaaaccata	ctacggatgt	ttgacttgaa	540
cggggatggc	aaattggggc	tctcagagat	gtcccgactc	ctgcctgtcc	aggaaaactt	600
cctgcttaaa	tttcagggca	tgaagctgac	ctcagaggag	tttaacgcga	tcttcacatt	660
ttacgacaag	gatagaagcg	gctacattga	cgagcatgag	ctggatgccc	ttttgaagga	720
tctgtacgag	aaaaacaaaa	aggaaatcaa	tattcaacag	ctcaccaact	acagaaagag	780
cgtcatgtcc	ttggcagagg	cagggaaagt	ctaccgcaag	gacctggaga	ttgtgctctg	840
cagcgagccc	cccatgtaaa	gtggggacgg	gggctgcttc	tcacacctcc	ccaaaccttg	900
cttctgctgc	cctgatgcgt	ctaccagac	tcagagaccg	tgagcgcccc	gccccacccc	960
ctacagcctg	cacacacctg	cctgcagagc	aggaaacgag	agatagagga	tgggcagctg	1020
gggggctgtc	ctgagcccc	tgcacccacc	cctgcccagg	cagtctttgc	tcagtggatc	1080
acacacatgg	aaggtgatgg	gggcatgggt	ggagggctcc	taattctctt	cgtgtgtatg	1140
catgagctcc	ctcgctgtat	gatttaggct	tctatgtcca	acagagtgga	ctcttccttc	1200
tcgctcccc	ctgcgggtcc	cccatgccac	caccaccccc	aaacttcag	gttccatcca	1260
ccaccttgcc	aatggtgtag	ctgtcctctc	agaactcctg	tgtgtggaag	gcaccgccc	1320
tttccttgcc	ttctttactc	ggcgtgctcc	ttttctcttt	gggtttcttg	tttaccaaag	1380
aagagtttac	agacaataaa	atggaaagg	cctgctgtgg	aaactt		1426

<210> 301

<211> 4505  
 <212> DNA  
 <213> Homo sapiens

<400> 301

gaattccgga	gggaggggtcc	ccaacgctgg	gcttgcttg	gggcagcccc	tcagcacagc	60
cggggaccgg	gaatgtggag	gcgggaattc	cttctggcag	aatgctggag	cctttgccct	120
gttgggacgc	tgcgaaagat	ctgaaagaac	ctcagtcccc	tcctggggac	aggggtgggtg	180
tgacgcctgg	gaactccagg	gtttggcagg	gcaccatgga	gaaagccggt	ttggcttggg	240
cgcgtggcac	aggggtgcaa	tcagagggga	cttgggaaag	ccagcggcag	gacagtgatg	300
ccctcccaag	tccggagctg	ctaccccaag	atcaggacaa	gcctttcctg	aggaaggcct	360
gcagccccag	caacatacct	gctgtcatca	ttacagacat	gggcacccag	gaggatgggg	420
ccttgaggga	gacgcaggga	agccctcggg	gcaacctgcc	cctgaggaaa	ctgtcctctt	480
cctcggcctc	ctccacgggc	ttctcctcat	cctacgaaga	ctcagaggag	gacatctcca	540
gtgacctga	gcgcaccctg	gaccccaact	cagctttcct	gcataccctg	gaccagcaga	600
aacctagagt	gagcaaatac	tggaggaaga	taaaaaacat	ggtgcaactg	tctcccttcg	660
tcatgtcctt	caagaagaag	tacccttgga	tccagctggc	aggacacgca	gggagtttca	720
aggcagctgc	caatggcagg	atcctgaaga	agcactgtga	gtcagagcag	cgctgcctgg	780
accggctgat	ggtggatgtg	ctgaggccct	tcgtacctgc	ctaccatggg	gatgtggtga	840
aggacgggga	gcgctacaac	cagatggacg	acctgctggc	cgacttcgac	tcgccctgtg	900
tgatggactg	caagatggga	atcaggacct	acctggagga	ggagctcacg	aaggcccgga	960
agaagcccag	cctgcggaag	gacatgtacc	agaagatgat	cgagggtggac	cccaggcccc	1020
ccaccgagga	ggaaaaagca	cagcgggctg	tgaccaagcc	acggtacatg	cagtggcggg	1080
agaccatcag	ctccacggcc	accctggggt	tcaggatcga	gggaatcaag	aaagaagacg	1140
gcaccgtgaa	cggggacttc	aagaagacca	aaacgagggg	gcaggtcacc	gaggccttca	1200
gagagtccac	taaaggaaac	cataacatcc	tgatcgccct	tcgggaccgg	ctgaaggcca	1260
ttcgaaccac	tctagaagtt	tctcccttct	tcaagtgcc	cgaggtcatt	ggcagctccc	1320
tcctcttcat	ccacgacaag	aaggaaacagg	ccaaagtgtg	gatgatcgac	tttgggaaaa	1380
ccacgcccc	gcctgagggc	cagaccctgc	agcatgacgt	cccctggcag	gaggggaacc	1440
gggaggatgg	ctacctctcg	gggctcaata	acctcgtcga	catcctgacc	gagatgtccc	1500
aggatgcccc	actcgcctga	gctgcccacg	ccctccctgg	ccccgcctg	ggcctccttt	1560
cctcctcctg	tgttcccttt	ctcgttccta	acttttccct	cacttacacc	tgactgaccc	1620
tcctgaactg	cactacaaga	cactttgtag	aagaggagat	gagagtctct	agtcattttc	1680
ctaacttcag	ggcttgagg	tgggtgtttg	actgcttttt	gtagagaggg	tcacctacta	1740
gaagagaaat	gcccagtcct	agagggtggg	cagggtgtaga	gctggagggg	gtccctgggt	1800
gctgagggga	ccctaccaga	tgagccctgc	ctctgggagc	cccctaggaa	gcaccagcct	1860
ggacctacca	cctgcggagg	cctgctgccc	cctggcggcc	agtgtgttta	gagtgtgtcc	1920
aagcacagcc	ttatttctgc	cggggcctcc	ccaccggaga	gcccaggggg	ccggccgggt	1980
tcctgggtccc	tggctgggag	cagggtcttc	tggtagtgtg	ggcacaaaac	catcggggaa	2040
ccacatgttg	actgtgagca	aagtgtcttc	cgattagcag	cctcagggat	gccctgggtg	2100
cctctccagg	gctgtcagg	caaggccccc	cacccatctg	gtatggaaac	ctgccggctc	2160
caggccagac	ccaggagcca	agagaaggct	gaagccagct	tggctgtgtt	ctctgatcta	2220
ggccttccca	gaggaggcga	gcagaagctg	tgccacttgg	aattgcaacc	catgagttca	2280
gaaggcacac	tctgccatgc	tgagctccaa	gggtgtacc	aggggaagat	gggatctata	2340
gagtctctgg	gccctggccc	caggaggagg	cacatttttc	ttgacctca	cctacctggt	2400
gctagtgtgt	caacctgcc	tgatacatg	ggctcctgtc	atggggccca	gagtcctctg	2460
cagatataga	aataggggag	gagctcaggt	ctgcgccagg	caggaagaag	gcaggcttct	2520
ggcttccaga	ggtgcgcggg	tggcctcctg	gcatacattg	ttattgcctc	tgaaacaagc	2580
cttactgctt	ggagggttta	gattcctgct	tccccaatgt	agtgtgggta	tcttgtaggg	2640
tatgtgtgtg	atgccagggc	gtgctccagg	cacctcttcc	tgaagtctct	gcatttggag	2700
attcgtggag	aacctattta	agcccaattt	taactgaaag	ccagtgaagc	tgatatggaa	2760
gggaatgtaa	aatttgcttg	acttcttaag	aacaaaaccc	ccagctctgt	gccccatgct	2820
ccttggggct	tgccaccac	tcctttgctg	tcagaggtac	aggagctggg	agagtccagg	2880
agctagggac	acagagggag	actatggacc	aagggtgtgtg	tgtctggagg	aaccactgcc	2940

09873367 "060501



cacccaccca	ccccgggggc	tctgggggaac	tgtcaacctg	cccacggggac	atgtacattt	3000
ccccctttgt	gctggaagtg	tgagtgcac	ttgctggggg	tggagggtgg	gacacatgag	3060
gatgtataag	tacagatttt	aaaaaaggaa	atcaacttac	acttcctggc	tcttgtttaa	3120
aacagtgggtg	agctcctgtg	tgggccgact	tgctaaaggt	cacacacgcg	cccgggtggag	3180
cacgagagac	ctcgtggcag	catgtgatct	ggaaggcagg	caggacgggg	gcgttgggga	3240
gccaaagtca	actctggggc	tctggagcta	tagtgacttt	tgggctagaa	gggaccctgg	3300
tggtctgtgc	ttcagccatt	tgcaaggcag	gggcatcatt	aattcagacg	taaagattct	3360
atgaatatgg	actggccaaa	agttatcctt	actccatctg	tgaaagaagt	ttgctaaagc	3420
aaatcatgat	atgaacaaaa	attacagggg	acctgtttaa	gagaacaaaa	tgttccaagc	3480
actttaggca	gacaccagct	gtttgcaaac	aatgtgctaa	tatgcaaagt	atgtgcttat	3540
taaaggaggc	ccatggggcc	tcttattggc	aatacttggc	tgtgggttac	attaaatatg	3600
tgaacatagt	atgaagtagc	atcatttttag	ggttattctg	ttacttaggg	tttttgtttt	3660
ctgttttttt	tttctctttt	tttgtattta	ccgtgctagt	tctcttctac	acctactctg	3720
tctctcaagc	catttttgcca	ctcgtctccc	tgccatctgg	cccttccctt	tgtctcagtg	3780
ggatagatgg	attgtgaaat	ggaatctccc	agaacccttg	ccctggcagc	ctggaagacc	3840
gtgctgccc	agccctcgtc	accacagggc	ctccttgggt	cctggcagtg	catgtgccag	3900
caggcaggac	aaactctgtg	tacctgtgcc	caggtgaatg	ggcgagggtt	cctcttgccc	3960
tgtcctgcgg	ggggccccac	gagttcctgg	cattcagcac	tgcttagcat	tctcggaagg	4020
tttcttcaac	tgcttgcttt	tcccaggctt	gccttttagtg	tcatgtaaga	catttttaag	4080
ttatatattat	tttgttgggg	tttaaaattg	cacagaacac	taagaccgaa	aggctggact	4140
cttgtttctc	cttgaaagct	ttgcctttgt	tttgaaacttc	ctttccact	tggtagaaag	4200
agcccagaag	cagccctggc	cctgtaagat	ggactctttc	atccttcagt	tgtatttagc	4260
tttgagtttc	tctgcatctg	tccaccccat	gtgtatataa	cccagcccct	ggctctgggg	4320
tggtcacctc	gtcagtgcct	tttgttctgg	aggagaggac	ccccccgcct	gccgagaggc	4380
tctcttctctg	ttctgcaccc	ctctccccat	gggaccttgg	agaaaactga	actgttacaa	4440
acccctgcac	agtgcctgtc	aaacagatgc	aaaccttctt	gaataaagcc	ttggagacgg	4500
aattc						4505

<210> 302  
 <211> 2304  
 <212> DNA  
 <213> Homo sapiens

<400> 302						
gaattcgtcc	aaactgagga	tcacaagtct	ccacattctg	agtaggagga	tgagggtctg	60
agttaggatt	tgggtcctgc	agggcttgct	aagggaatccc	ctgatggcct	aggattccac	120
gcagagcaca	tctgggtgtga	gagagctcgc	tgcaagggtg	aaggctccgc	cctatcagat	180
agacaaccag	gccaccaaga	ggcccagccc	tccaaaccct	ggatttgcaa	catcctcaaa	240
gaacagcaac	gggccttgag	cagaattgag	aaggaaatac	ccccacctgc	cctcagccgt	300
taagtgggct	ttgctattca	caagggcctc	tgggtgtcct	ggcagagagg	ggagatggca	360
caggcaccag	gtgctagggt	gccagggcct	cccagagaagg	aacagggtgca	aagcaggcaa	420
ttagcccaga	aggtatccgt	ggggcaggca	gcctagatct	gatgggggaa	gccaccagga	480
ttacatcatc	tgctgtaaca	actgctctga	aaagaagata	tttttcaacc	tgaacttgca	540
gtagctagtg	gagaggcagg	aaaaaggaaa	tgaaacagag	acagagggaa	gcctgagcca	600
aaatagacct	tcccagagaga	ggaggaagcc	cggagagaga	cgcacgggtcc	cctccccgcc	660
cctaggccgc	cgccccctct	ctgccctcgg	cggcgagcag	ggcgccgcga	cccggggccg	720
gaaaggtgcc	aggggctccg	ggcgcccggg	cgggcgcaca	ccatccccgc	gggcggcgcg	780
gagccggcga	cagcgcgcga	gagggaccgg	gcggtggcgg	cggcgggacc	gggatggaag	840
ggagcgcggt	gactgtcctt	gagcgcggag	gggcgagctc	gccggcggag	gccgagcaag	900
cggaggcagg	agcggcgggc	acggcgggcg	cggcgggcgg	gcccagcac	ccgagggggt	960
ccgagccccg	gcagccggcc	agccccgcgc	cacaaaggga	gcgccccgc	cgccccgcac	1020
ccgcctccc	tccccaatgt	cctcgcccat	cgaaagggaag	agcctggacc	cttcagagga	1080
accagtggat	gaggtgctgc	agatcccccc	atccctgctg	acatgcggcg	gctgccagca	1140

gaacatcggg	gaccgctact	tcctgaaggc	catcgaccag	tactggcacg	aggactgcct	1200
gagctgcgac	ctctgtggct	gccggctggg	tgaggtgggg	cggcgctct	actacaaact	1260
gggcccgaag	ctctgccgga	gagactatct	caggcttttt	gggcaagacg	gtctctgcgc	1320
atcctgtgac	aagcggattc	gtgcctatga	gatgacaatg	cgggtgaaag	acaaagtgtg	1380
tcacctggaa	tgtttcaagt	gcgcgcctg	tcagaagcat	ttctgtgtag	gtgacagata	1440
cctcctcatc	aactctgaca	tagtgtgcga	acaggacatc	tacgagtgga	ctaagatcaa	1500
tgggatgata	taggcccag	tccccgggca	tctttgggga	ggtgttctact	gaagacgccg	1560
tctccatggc	atcttcgtct	tcactcttag	gcactttggg	ggtttgaggg	tggggtgaagg	1620
gatttcttag	gggatggtag	acctttattg	ggtatcaaga	catagcatcc	aagtggcata	1680
attcaggggc	tgacacttca	aggtgacaga	aggaccagcc	cttgagggag	aacttatggc	1740
cacagcccat	ccatagtaac	tgacatgatt	agcagaagaa	aggaacattt	aggggcaagc	1800
aggcgtgtg	ctatcatgat	ggaatttcat	atctacagat	agagagttgt	tgtgtacaga	1860
cttgttgtga	ctttgacgct	tgcgaaactg	agatgtgcaa	ttgatttctt	ttcttcctgg	1920
ctttttaact	cccctgtttc	aatcactgtc	ctccacacaa	gggaaggaca	gaaaggagag	1980
tggccattct	ttttttcttg	gcccccttcc	caaggcctta	agctttggac	ccaagggaaa	2040
actgcatgga	gacgcatttc	ggttgagaat	ggaaaccaca	acttttaacc	aaacaattat	2100
ttaaagcaat	gctgatgaat	cactgttttt	agacaccttc	attttgaggg	gaggagtcc	2160
acagattgtt	tctatacaaa	tataaatctt	aaaaagtgtg	tcaactattt	tattatccta	2220
gattatatca	aagtatttgt	cgtgtgtaga	aaaaaaaaac	agctctgcag	gcttaataaa	2280
aatgacagac	tgaaaaaaaa	aaaa				2304

<210> 303

<211> 2895

<212> DNA

<213> Homo sapiens

<400> 303

cccgcctgac	gactgaccag	ttgccatggc	atcctactac	gagatcctag	acgtgccgcg	60
aagtgcgtcc	gctgatgaca	tcaagaaggc	gtatcggcgc	aaggctctcc	agtggcaccc	120
agacaaaaac	ccagataata	aagagtttgc	tgagaagaaa	tttaaggagg	tggccgaggc	180
atatgaagtg	ctgtctgaca	agcacaagcg	ggagatttac	gaccgctatg	gccgggaagg	240
gctgacaggg	acaggaactg	gcccatctcg	ggcagaagct	ggcagtgggtg	ggcctggctt	300
caccttcacc	ttccgcagcc	ccgaggaggt	cttccgggaa	ttctttggga	gtggagaccc	360
ttttgcagag	ctctttgatg	acctggggcc	cttctcagag	cttcagaacc	ggggttcccg	420
acactcaggc	cccttcttta	ccttctcttc	ctccttccct	gggcactccg	atctctcttc	480
ctcatctttc	tccttcagtc	ctggggctgg	tgtttttcgc	tctgtttcta	catctaccac	540
ctttgtccaa	ggacgccgca	tcaccacacg	cagaatcatg	gagaacgggc	aggagcgggt	600
ggaagtggag	gaggatgggc	agctgaagtc	agtcacaatc	aatggtgtcc	cagatgacct	660
ggcacgtggc	ttggagctga	gccgtcgcga	gcagcagccg	tcagtcactt	ccaggtctgg	720
gggcactcag	gtccagcaga	cccctgcctc	atgccccttg	gacagcgacc	tctctgagga	780
tgaggacctg	cagctggcca	tggcctacag	cctgtcagag	atggaggcag	ctgggaagaa	840
acccgcaggt	gggcgggagg	cacagcacccg	acggcagggg	cgcccaaggc	ccagcaccaa	900
gatccaggct	tgggggggac	ccaggaggggt	gcgaggggtg	aagcaaccaa	acgcagtcca	960
tccccagagg	agaaggcctc	tcgctgcctc	atcctctgaa	caccggggcc	aacctgatct	1020
gatccagatc	ttgactgggg	ggtctgactc	actgtgggaa	gagaagaggg	gagtatcctg	1080
agttgtagga	actgctttcc	aactccaagc	tccctccaca	agtttccctc	cccaggcccc	1140
ccacacccca	gtgtggactt	gggatttget	gtgctcagcc	cagggctgat	aggtccctgg	1200
tgaagcccag	ggtggggggg	gtcagggcag	tggaggggce	cgaggagcca	ggttgcattt	1260
attggatggg	gagctccaag	gggcattagt	ggtttgggct	gggcttttgt	gccctggtac	1320
tctgccacct	gtgttgetga	tgggtgcaag	gaaggaggac	ttggcctagg	gttgtctgag	1380
ccggagccgg	cagctccact	ggagagcagt	gcaggcagag	tggagcctcc	tgtctctctg	1440
gaccagctgc	agacccccaa	ccctggtttc	tgtgccatgt	tgcgctctga	ccgtctctgt	1500
tgtctctctt	ctgggtgttg	ttctctctcc	tcccattctc	tctgcaactc	ctgcgggcgc	1560

atcgcttgct	ttaactgccc	tctggctagg	actcccttct	tccttccttc	cccgagaagg	1620
cctcaatgtg	gcgaggaaga	tgctggggcc	ggtagggctg	tgagatcttc	tggggaggct	1680
agccgggtgg	ggcgggagcc	tctcagctgt	ccagattcag	aactggagcc	cactcctcct	1740
ccctctcggt	gcctcagccc	tgccctcacc	ctcagactag	gcagaggtga	ggctggctca	1800
ccctgaagag	gtgggatagg	aggggactgc	accatactg	cttccctacc	acaaatcagg	1860
gctcagggag	aggccatgcg	gcagcccagg	tctgcatgct	gagcccatc	ctccacagct	1920
tgccgctgac	gctctctcct	gtcaccccg	ccctgctctc	tccccagatg	tgttctgagc	1980
tggtatgccg	gttccagaat	cgctgcacag	ttccaacagg	acagcgccct	cccccatg	2040
ctgggagggg	accctccatt	tctccccctc	accatgctg	agtgtagagc	cggggcctgg	2100
gtggcgggtg	ggggccgggt	gggaggtggc	agtagcttta	gcctgtgcac	tctcttcctt	2160
gggtgttttg	tgctggctcc	tggggactac	aaatcccaga	gtgcggtgtg	cccggcctca	2220
tttctgatag	atcccgtttg	ggggaggtgg	tgtatggtta	cggagctgtg	catcttgagg	2280
catgtagtag	cccaggtctt	gtcactcgct	gtgagatggg	gagattttgt	cttttgattt	2340
atccctgtag	ggctggcagg	gttgtagatg	aagggggaat	gatctgagcc	ttggttcccc	2400
tgacacgtct	tgctagcccc	aggggttagag	tgggcagggc	agagccgcgc	agcacctggg	2460
agcggtagct	ttcccttggg	cagcctgggg	tcccaggaac	aagccagggc	gagtgccatg	2520
tctgcttgag	caggggtgtg	ccccagaaag	ctgaggagtg	tgggctggca	gagagcttcg	2580
agggcaaggc	caccgcgggg	ggcgtgtgtg	tgggtgggct	tggcatgtga	tggcagctcc	2640
agctccaggc	atgccgctgc	ttgtatggct	ttctttggcc	tctgacctg	ctgcccattc	2700
tttccaacat	cacagatgaa	ctgcctctcc	tcctccctgc	ctggggagcc	cagtggccag	2760
ggagggagtg	gtggagccag	tcgctgtaac	actgagcctc	agagacgaac	caaaaccagc	2820
tgggctgagc	tcagatccag	ggggaagaaa	tgctggaagt	caataaaaact	gagtttgaga	2880
aaaaaaaaaa	aaaaa					2895

<210> 304  
 <211> 1267  
 <212> DNA  
 <213> Homo sapiens

<400> 304		
cagcgagcgg	ctgcagcggg gccgtgacca gcagccagcg ggaggcggcg gcgagtcgggt 60	
gagcagctgg	gaagagcaga accggggcgg agcacctgca ggcgcggggc gcgggcccccac 120	
catggcgatt	cgcaagaaaa gcaccaagag cccccagtg ctgagccacg aattcgtcct 180	
gcagaatcac	gcggacatcg tctcctgtgt ggcgatggtc ttctgtctgg ggctcatgtt 240	
tgagataacg	gcaaaagctt ctatcatttt tgttactctt cagtacaatg tcacctccc 300	
agcaacagaa	gaacaagcta ctgaatcagt gtccctttat tactatggca tcaaagattt 360	
ggctactgtt	ttcttctaca tgctagtggc gataattatt catgccgtaa ttcaagagta 420	
tatgttggat	aaaattaaca ggcgaatgca cttctccaaa acaaaacaca gcaagtttaa 480	
tgaatctggg	cagcttagtg cgttctacct ttttgccctgt gtttggggca cattcattct 540	
catctctgaa	aactacatct cagacccaac tatcttatgg agggcttatt ccataacct 600	
gatgacattt	caaatgaagt ttttctacat atcacagctg gcttactggc ttcatgcttt 660	
tcctgaactc	tacttccaga aaacccaaaa agaagatatt cctcgtcagc ttgtctacat 720	
tgggtctttac	ctcttccaca ttgctggagc ttaccttttg aacttgaatc atctaggact 780	
tgttcttctg	gtgctacatt attttgttga atttcttttc cacatttccc gcctgtttta 840	
tttttagcaat	gaaaagtatc agaaaggatt ttctctgtgg gcagttcttt ttgttttggg 900	
aagacttctg	actttaattc ttctcagtact gactgttggg tttggccttg caagagcaga 960	
aaatcagaaa	ctggatttca gtactggaaa cttcaatgtg ttagctgtta gaatcgtctg 1020	
tctggcatcc	atttgcgtta ctcaggcatt tatgatgtgg aagttcatta attttcagct 1080	
tcgaaggtgg	agggaaacatt ctgcttttca ggcaccagct gtgaagaaga aaccaacagt 1140	
aactaaaggc	agatcttcta aaaaaggaac agaaaatggg gtgaatggaa cattaaactc 1200	
aaatgtagca	gactctcccc ggaataaaaa agagaaatct tcataatgaa ttataaaacta 1260	
attgatt		1267

<210> 305  
 <211> 5857  
 <212> DNA  
 <213> Homo sapiens

<400> 305  
 cggcgcaggc ggcggcgtcc gaggagattt aatccagaga ctgacttcac tatagaaccc 60  
 acagttgtat caatggttgg ggaaagatag tggcaacagg caaaggagaa acagctctga 120  
 catacaaaga aaatgagtat gctaaagcca agtgggctta aggccccac caagatcctg 180  
 aagcctggaa gcacagctct gaagacacct acggctgttg tagctccagt agaaaaaacc 240  
 atatccagtg aaaaagcatc aagcactcca tcatctgaga ctcaggagga atttgtggat 300  
 gactttcgag ttggggagcg agtttgggtg aatggaaata agcctggatt tatccagttt 360  
 cttggagaaa cccagtttgc accaggccag tgggctggaa ttgttttaga tgaaccata 420  
 ggcaagaacg atggttcggg ggcaggagtt cggattttcc agtgtgaacc tttaaagggc 480  
 atatttaccg gaccttcaaa gttacaagg aaggtgcaag cagaagatga agctaagggc 540  
 ctgcagacaa cggccgcctc ccgagctact tcaccgctgt gcacttctac ggccagcatg 600  
 gtgtcttccct cccctccac cccttcaaac atccctcaga aaccatcaca gccagcagca 660  
 aaggaacctt cagctacgcc tccgatcagc aaccttaca aaactgccag tgaatctatc 720  
 tccaaccttt cagaggctgg ctcaatcaag aaaggagaaa gagagctcaa aatcggagac 780  
 agagtattgg ttggtggcac taaggctggt gtagtccggt ttcttgggga gaccgacttt 840  
 gccaaagggg agtgggtgtg cgtggagtta gatgagccac ttgggaagaa tgatggcgct 900  
 gttgctggaa caaggatatt tcagtgtcaa cccaatatg gcttgctcgc tcctgtccac 960  
 aaagttacca agattggctt cccttccact acaccagcca aagccaaggc caacgcagtg 1020  
 aggcgagtga tggcgaccac gtccgccagc ctgaagcgca gcccttctgc ctcttccctc 1080  
 agctccatga gctcagtggc ctctctgtg agcagcaggc ccagtcggac aggactattg 1140  
 actgaaacct cctcccgtta cgcaggaag atctccggtt ccactgccct ccaggaggcc 1200  
 ctgaaggaga agcagcagca cattgagcag ctgctggcgg aacgggatct ggagagggcg 1260  
 gaggtggcca aggccacgag ccacgtgggg gagatagagc aggagctagc tctggcccgg 1320  
 gacggacatg accagcatgt cctggaattg gaagccaaaa tggaccagct gcgaacaatg 1380  
 gtggaagctg ctgacagggg gaaggtggag ctctcaacc agcttgaaga ggagaaaagg 1440  
 aaggttgagg accttcagtt ccgggttgaa caagaatcaa ttaccaagg tgatcttgag 1500  
 acgcagacca aactggagca tgcccgcatt aaggagcttg aacagagcct gctctttgaa 1560  
 aagaccaaag ctgacaaact ccagaggag ttagaagaca ctagggtggc tacagtttca 1620  
 gaaaagtcac gtataatgga actggagaaa gacctagcat tgagagtaca ggaagtagct 1680  
 gagctccgaa gaaggctaga gtccaataag cctgctgggg atgtggacat gtcactttcc 1740  
 cttttgcaag agataagctc tttgcaagaa aagttagaag tccccgtac tgaccaccag 1800  
 agagaaataa ctctctgaa ggagcatttt ggagcccggg aagaaactca tcagaaggag 1860  
 ataaaggctc tgtataccgc cacggaaaag ctttccaaag agaacgagtc attgaaaagc 1920  
 aagctggagc atgccaacaa agagaactca gatgtgatag ctctatggaa gtccaaactg 1980  
 gagactgcca tgcacatcca ccagcaggcg atggaagaac tgaaggatc tttcagcaaa 2040  
 gggcttgga cagagacggc agaatttgct gaactaaaaa cacaataga gaaaatgaga 2100  
 ctagattacc aacacgaaat agaaaatttg cagaatcaac aagactctga acgggctgcc 2160  
 catgctaaag agatggaagc cttgagggtc aaactgatga aagttattaa agaaaaggaa 2220  
 aacagtctgg aagccatcag gtcgaaactg gacaaagcag aagaccagca tctcgtagaa 2280  
 atggaagaca cgttaaacia attacaggaa gctgaaataa aggtaaagga gctagaggta 2340  
 ctgcaagcca aatgcaatga acaaaccaag gttattgata attttacatc acagctcaag 2400  
 gctactgaag aaaagctctt ggatcttgat gcacttcgga aagccagttc cgaaggtaaa 2460  
 tcggaaatga agaaacttag acagcagctt gaggcagctg agaaacagat taaacattta 2520  
 gagattgaaa agaagctgga aagtagcaag gctagtagca ttaccagaga gctccagggg 2580  
 agagagctaa agcttactaa ctttcaggaa aatttgagtg aagtcagtc agtgaaagag 2640  
 actttggaaa aagaacttca gattttgaaa gaaaagtttg ctgaagcttc agaggaggca 2700  
 gtctctgttc agagaagtat gcaagaaact gtaaataagt tacaccaaaa ggagggaacag 2760  
 tttaacatgc tgtcttctga cttggagaag ctgagagaaa acttagcaga tatggaggca 2820  
 aaatttagag agaaagatga gagagaagag cagctgataa aggcaaagga aaaactggaa 2880

05073367.D50501

aatgacattg	cagaaataat	gaagatgtca	ggagataact	cttctcagct	gacaaaaatg	2940
aacgatgaat	tacgtctgaa	agaaagagat	gtagaagaat	tacagctaaa	acttacaaaag	3000
gctaattgaaa	atgcaagttt	tctgcaaaaa	agtattgagg	acatgactgt	caaagctgaa	3060
cagagccagc	aagaagcagc	taaaaagcat	gaggaagaaa	agaaagaatt	ggagaggaaa	3120
ttgtcggacc	tggaaaagaa	aatggaaaca	agccacaacc	agtgtcagga	gctgaaagcc	3180
aggtatgaga	gagccacttc	tgagacaaaa	accaagcatg	aagaaatcct	acagaacctc	3240
cagaagacgc	tgctggacac	agaggacaag	ctgaagggcg	cacgggagga	gaacagtggc	3300
ttgctgcagg	agctggagga	gctgagaaag	caagccgaca	aagccaaagc	tgctcaaaca	3360
gcggaagatg	ccatgcagat	aatggaacag	atgaccaaaag	agaagactga	gactctggcc	3420
tccttggagg	acaccaagca	aacaaatgca	aaactacaga	atgaattgga	cacacttaaa	3480
gaaaacaact	tgaaaaatgt	ggaagagctg	aacaaatcaa	aagaactcct	gactgtagag	3540
aatcaaaaaa	tggaagaatt	taggaaagaa	atagaaacc	taaagcaggc	agcagctcag	3600
aagtcccagc	agctttcagc	gttgcaagaa	gagaacgtta	aacttgctga	ggagctgggg	3660
agaagcaggg	acgaagtcac	aagtcatcaa	aagctggaag	aagaaagatc	tgtgtcfaat	3720
aatcagttgt	tagaaatgaa	aaaaagagaa	tccaagttca	taaaagacgc	agatgaagag	3780
aaagcttctc	tgcaaaaatc	catcagtata	actagtgcct	tactcacaga	aaaggatgcc	3840
gagctggaga	aactgagaaa	tgaggtcaca	gtgctcaggg	gagaaaacgc	ctctgccaaag	3900
tccttgcatt	cagttgttca	gactctagag	tctgataagg	tgaagctcga	gctcaaggta	3960
aagaacttgg	agcttcaact	caaagaaaac	aagaggcagc	tcagcagctc	ctcaggtaat	4020
acagacactc	aggcagacga	ggatgaaaga	gccagggaga	gtcagattga	tttctctaat	4080
tcagtaatag	tggaccttca	aaggaagaat	caagacctca	agatgaaggt	ggagatgatg	4140
tcagaagcag	ccctgaatgg	gaacggggat	gacctaaaca	attatgacag	tgatgatcag	4200
gagaaacagt	ccaagaagaa	acctcgctc	ttctgtgaca	tttgtgactg	ctttgatctc	4260
cacgacacag	aggattgtcc	taccaggcca	cagatgtcag	aggacctccc	ccattccaca	4320
caccatggca	gtcgggggtga	ggaacgcccc	tactgtgaaa	tctgtgagat	gtttggacac	4380
tggggccacca	actgcaatga	cgagaaacc	ttctgatgaa	gcctccagtg	gagaactggg	4440
cttgctcaga	cgcactcgca	ttgacacaac	gtaaccaccag	cattgtgtgt	gcagacttca	4500
ggagaactca	gtttattttt	taaccccgctc	aacaaatcta	ggaaaatatt	ttgatcttca	4560
acaaattgcc	ctttagtctc	cccgatagag	ttagaataat	aaatatttag	taggtgagtt	4620
ttcacctcga	attttgtttt	cttgattttt	acgtttgaag	acattgcacc	agatgccatt	4680
acattttattg	gcccccgac	cttgtagaaa	aaccctacc	ctcacatac	cttattttaag	4740
taactttaaa	ttatgccgtt	acttttcata	tttgcaccta	agatatttcc	aggctgcatt	4800
tgtatattta	gatttttttg	ttaagctttg	acactggaat	gagttgaaaa	aatgtgccat	4860
tttgcatttt	catctactca	tttaaagtat	tttattctta	ttcaaagaaa	tatctgagct	4920
ctttgcacta	cctgttatca	gtagtgcctt	tacttcaggc	ttgataatac	ttaggtgtga	4980
ttataaaatc	atgaagcagg	taaagggagg	ggcaagcccc	aaactgctgt	ggggacattt	5040
tataatctat	atgctgcacc	cacttaatct	actgtgggtg	tttgtttatt	agttttgcat	5100
aatttcagct	tctatatatt	gtatgtatat	attttttaaa	aatctatat	ttgggaaaaa	5160
aacatacaca	atgtgtcttt	ctttttggac	atttaccttt	ttgaaaaaga	aaacacttaa	5220
aatgatcatt	aggacataac	agactaggcc	agacatagca	tcttgtggct	ttgcaaccat	5280
tttcattttgt	ttgttttcc	tttatttctt	caccagattt	aaataaaaagg	aggaattttc	5340
tccaattttt	ttttccttct	ctggcaggta	tccccagcag	tcaattaaca	ataagccagt	5400
ataaaaacacc	taaataacca	atctacaatc	tcccttcaca	agttttttta	ctgttttttag	5460
atgaatgtac	gatgagaaat	tcaacgttaa	taattctgga	ttttcttctc	acaaaaaaga	5520
aaatgaagga	cctcaaagca	cctgaacagt	ttatcgacca	gtttgaatct	atztatcttc	5580
atttgaatgt	cttctagata	tgtaaaaagt	cataaaatgt	atcttccatg	ctacatgtac	5640
aataagaact	tctataattg	tatatatgcc	tttgatgtat	tttccctca	agattatcaa	5700
ctgtgtgttc	gacagtgaat	attcaatctg	gtaccagttg	aaatttttgg	ttataaatgt	5760
aatacgaatt	gtttcacaaa	cagaaaacat	gtaaagcagt	attaaaattt	ggccaaacaa	5820
gtgttctgta	tctactttta	ataaatgggt	attctttt			5857

<210> 306  
<211> 1448

<212> DNA  
<213> Homo sapiens

<400> 306  
ccaccatgct cgccctggag gctgcacagc tcgacggggc acacttcagc tgtctgtacc 60  
cagatggcgt cttctatgac ctggacagct gcaagcattc cagctaccct gattcagagg 120  
gggctcctga ctccctgtgg gactggactg tggccccacc tgtcccagcc accccctatg 180  
aagccttcga cccggcagca gccgctttta gccaccccca ggctgcccag ctctgctacg 240  
aaccccccc ctacagccct gcagggaacc tcgaactggc cccagccctg gaggccccgg 300  
ggcctggcct ccccgcatat cccacggaga acttcgctag ccagaccctg gttcccccg 360  
catatgcccc gtaccccagc cctgtgctat cagaggagga agacttaccg ttggacagcc 420  
ctgccttggg ggtctcggag agcgagtcgg atgaggccct cgtggctggc cccgagggga 480  
agggatccga ggcagggact cgcaagaagc tgcgctgta ccagttcctg ctggggctac 540  
tgacgcgcgg ggacatgctg gactgcgtgt ggtgggtgga gccaggcgcc ggcgtcttcc 600  
agttctcctc caagcacaag gaactcctgg cgcccgctg gggccagcag aaggggaacc 660  
gcaagcgcat gacctaccag aagctggcgc gcgcccctcg aaactacgcc aagaccggcg 720  
agatccgcaa ggtcaagcgc aagctcacct accagttcga cagcgcgctg ctgcctgcag 780  
tccgcggggc ctgagcacac ccgaggctcc cacctgcgga gccgctgggg gacctcacgt 840  
cccagccagg atccccctgg aagaaaaagg gcgtccccac actctagggt ataggactta 900  
cgcatcccca ccttttgggg taaggggagt gctgccctgc cataatcccc aagcccagcc 960  
cgggcctgtc tgggattccc cacttgtgcc tggggctcct ctgggatttc tttgtcatgt 1020  
acagactccc tgggatccct atgttttggg tgacaggacc tatggaccac tatactcggg 1080  
gaggcagggg agcagtgcct ccagagtcct aagagcttct ctgggatttt cttgtgatat 1140  
ctgattcccc agtgaggcct gggacctttt taagatcgct gtgtgtctgt aaacctgaa 1200  
tctcatctgg ggtggggggc ctgctggcaa ccctgagccc tgtccaagg tccctcttgt 1260  
cagatctgag atttcttagt tatgtctggg gccctctggg agctgttatc atctcagatc 1320  
tcttcgcccc tctatggctg tgttgtcaca tctgtcccct catttttgag atcccccaat 1380  
tctctggaac tattctgctg ccccttttta tgtgtctgga gttccccaat cacatctagg 1440  
gctcctcc 1448

<210> 307  
<211> 2679  
<212> DNA  
<213> Homo sapiens

<400> 307  
aatattgtat gatttcactt atacgaggca ctagaatagg caaattcata aagacagcaa 60  
gaatagtggg taccaggggc tgaggaaagg gagaaattga gttattttgt ttaatgagtt 120  
tccatttggg atgatgaaaa aagttgtgga aatggatatt ggagatgggt gcacaacgct 180  
gtgaatgtac ttaatgccac tgaatcatal acctaaaaat gattaaaatt gtaaatttta 240  
tgttacatgt attttaccac tataaaaaag caatagggtc ataagtaaaa gcatcacaca 300  
ccagaaaatt atagaaaatg agaagggaag cctccttttt cctgtcctcc tcccctaac 360  
aaataccaag tgttcgtagt ggttgtctct gtaattctaa atcattgagg taactctcta 420  
taccttgatt gttcctctgt agtgtctgca acctcctctc caaggatgag gaattgactg 480  
cacttccact aagtccacc aacctctgc ttctgtctct tgatatttga tagttacatc 540  
atactttgga ttttccagt gttaactttt agctttaaat aacatactta ggctttttct 600  
ccttaaatat ttttaatat gaaattttca agcatataca aaagcagaga aaagactaca 660  
gtaagcctct atatacccag ccttctgctt ctattacaaa ctcatagtca acttgcttca 720  
tctgtatctc cagcactcc cctccaccaa ttattttgaa acaaacttta gacattgtat 780  
cattttatct acatatttca gtatgtatgt cttaaaaaaa taagcattct catctaggtc 840  
aatgccattg agaaagtctt caaagtgtac aatgaagctg gtgtgacctt tacatagatg 900  
gacgtggct gacttctca ctacctctt cacctgtaac ttctgcagac ctatcacaag 960  
tttcatgta accacagaaa tccctttccc tctgactca ttagataatg gataccattc 1020

gcaacaagtc	aatccaaatc	agcccccttaa	ggagaaacaa	attaaggtta	ggggatcatg	1080
taaaagctga	gtgtgaaagt	agaaatcacc	tacaccagag	agccattttg	gtattttgcc	1140
tttaaactct	cctccatctg	gctgtgcagt	cttgctctgt	ggcttttccc	aacacaaatca	1200
gtgctattgc	tggggagggg	cagtcaagag	cagtcagttg	ctctggacaa	gtctgggaca	1260
tgctataact	ttagcatatt	taagaagtag	gggtgtggca	ttttcggaag	gtggcatagt	1320
cctcaagtga	gttcttagta	ttttatatca	gcaaaataac	tcaattttac	aggttgcaaa	1380
caaataataa	agctgtttct	atttatgaat	tttattcttt	cagaataaaa	taagtacatg	1440
ctgctgtaat	aaaattgcct	ttaatcactt	aacaacccta	accttgactc	aaacagtgaa	1500
tgcctataaa	aataagaaat	tttaaaaact	agtattttta	tatcataaaa	caatgtcatt	1560
tataacttat	cagtcatgca	ttgttgtcca	gcaaacatta	aaagccctgt	ggataattat	1620
cttcataact	gcaaaaatga	tagaggctat	ttttgttaaa	actgtcagaa	tttgctaact	1680
atgacacatg	ggccaaagaa	agcagtaacc	tccttatcat	gttaaccaat	tgttctcttt	1740
tgaagatcta	ttgttgacta	attgaacaat	aatcaagtgg	agtgtcccag	aaagaaacca	1800
cttgggctcc	ctgtttggag	tctggctggc	tctgagcatt	gccaatggcc	cctactcgcc	1860
tgacttttgt	tcctctcctt	ttagaggcct	tgcgttctgc	agctagcttc	attaacagtg	1920
ggctgaaaac	aactttgggt	tgagtgtttc	gtttgggagt	tatttggcca	gggctttaga	1980
gcagtagtgt	cccaatgaag	tgctagataa	taaatgtgta	caaatcagtt	cttttttttt	2040
taactataac	tccttttcag	aaattttctaa	ctactttgta	actgcattac	ttaacctggg	2100
gataaaagca	gttattaaaa	gtctacattt	tccaggccag	gcacggtagc	tcatgcctac	2160
aatcctagt	ctttgggagg	ccaaggcggg	tggatcacct	caggtaggga	gtttgagacc	2220
agcctgacca	acatggtgaa	accccgctct	tagtaaaaa	acaaaaaatt	agccgggcgt	2280
ggtggtgcat	gcctgtaatc	ccagcaactt	gggaggctga	ggcaggagaa	tcacttgaac	2340
ccaggagcgg	aggttgcagt	gagccgagat	cgctccattg	cactccagcc	tgggcaaaaa	2400
agagcgaaac	tccatctcaa	aagaaaaaaa	aaagtctaca	ttttccaaaa	ataaaaaaaa	2460
caaaaaaaag	gatgctcaag	aaagcataac	ctcaatgcc	ttaccacacc	taaaaaaaat	2520
aattccttaa	tagccagtga	ctattgaaat	tttactctct	ttttctctgt	gttcaaagat	2580
gtatctaaat	acagtcctta	tactacaatc	aatttacacg	tctctttaga	ctcttaattct	2640
ataggtctct	actcttcttt	ttcttctctat	ggcaatatt			2679

<210> 308  
 <211> 1630  
 <212> DNA  
 <213> Homo sapiens

<400>	308					
gggaccggcc	gctcccgcag	cagccatgtc	gttcttcccg	gagctttact	ttaacgtgga	60
caatggctac	ttggagggac	tgggtgcgcg	ctgaagggct	gggcgagctc	agccaggccg	120
actacctcaa	cctggtgcag	tgcgagacgc	tagaagactt	gaaactgcat	ctgcagagca	180
ctgattatgg	taacttcctg	gccaacgagg	catcgctctg	gcggtgtcag	tcacgatga	240
ccggctcaag	gagaagatgg	tgggtggagt	ccgccacatg	aggaaccatg	cctatgagcc	300
actcgccagc	ttcctagact	tcattactta	cagttacatg	atcgacaacg	tgatcctgct	360
catcacaggc	acgctgcacc	agcgtcccat	cgctgagctc	gtgcccaggt	gccaccact	420
aggcagcttc	gagcagatgg	aggccgtgaa	cattgctcag	acacctgctg	agctctacaa	480
tgccattctg	gtggacacgc	ctcttgccgc	ttttttccag	gactgcattt	cagagcagga	540
ccttgacgag	atgaacatcg	agatcatccg	caacaccctc	tacaaggcct	acctggagtc	600
cttctacaag	ttctgcaccc	tactgggcgg	gactacggct	gatgccatgt	gccccatcct	660
ggagtttgaa	gcagaccgcc	gcgccttcat	catcaccatc	aattctttcg	gcacagagct	720
gtccaaagag	gaccgtgcc	agetctttcc	acactgtggg	cggtcttacc	ctgagggcct	780
ggcgcagctg	gctcgggctg	acgactatga	acaggtcaag	aagctggccg	attactacce	840
ggagtacaag	ctgctcttcg	agggtgcagg	tagcaaccct	ggagacaaga	cgctggagga	900
ccgattcttt	gagcacgagg	taaagctgaa	caagttggcc	ttcctgaacc	agttccactt	960
tgggtgtttt	tatgccttcg	tgaagctcaa	ggagcaggag	tgtcgcaaca	tcgtgtggat	1020
cgctgaatgt	atcgcccgag	gccaccgcgc	caaaatcgac	aactacatcc	ctatcttcta	1080



gcgtctggcc	caaggctctc	aagtgtgtgt	gcgtgtgtgt	gtatgtggtc	tgttacaagc	1140
ctgtggctca	cctgcctgtc	cgggggtgtg	tacgctgtcc	tagcggctgc	ccagttctcc	1200
tgacctctt	agagactgtt	cttaggctgt	aaaaggggct	gggccccccc	ccccccacca	1260
aggatggatg	gatgaagacc	ccctccagag	caaggaggcc	ccctcagccc	tgtggttaca	1320
gccgctgatg	tatctaagaa	gcatgtcact	ttcatgttcc	tccctaactc	cctgacctga	1380
gaacctgtgg	gcctgggggc	agtttgagcc	tcctctccct	tctgtgggtc	gctcccagag	1440
ccatggccca	tgggaaggac	agagtgtgtg	tgtccttggc	ctgggggggtg	ttgctcctca	1500
cgtccctccc	tcagcctgtc	ccctctgaga	caataaaact	gccctctcta	agcccaaaaa	1560
aaaaaaaaaa	aaaaaaaaaa	aaccggaatt	cgagctcgcc	cggggactcc	tctagagtcg	1620
acctgcagcc						1630

<210> 309  
 <211> 2919  
 <212> DNA  
 <213> Homo sapiens

<400> 309						
agagtttccag	ttttggcagc	agcgtccagt	gccctgccag	tagctcctag	agaggcaggg	60
gttaccaact	ggccagcagg	ctgtgtccct	gaagtcagat	caacgggaga	gaaggaagtg	120
gctaaaacat	tgcacaggag	aagtcggcct	gagtggtgcg	gcgctcggga	cccaccagca	180
atgctgctct	tcgtgctcac	ctgcctgctg	gcggtcttcc	cagccatctc	cacgaagagt	240
cccatatttg	gtcccagagga	ggtgaatagt	gtggaaggta	actcagtgtc	catcacgtgc	300
tactaccac	ccacctctgt	caaccggcac	accggaagt	actggtgccg	gcaggagct	360
agaggtggct	gcataaccct	catctcctcg	gagggctacg	tctccagcaa	atatgcaggc	420
agggtcaacc	tcaccaactt	cccggagaac	ggcacatttg	tgggtgaacat	tgccagctg	480
agccaggatg	actccggggc	ctacaagtgt	ggcctgggca	tcaatagccg	aggcctgtcc	540
tttgatgtca	gcctggagggt	cagccagggt	cctgggctcc	taaagacac	taaagtctac	600
acagtggacc	tgggcagaac	ggtgaccatc	aactgccctt	tcaagactga	gaatgctcaa	660
aagaggaagt	ccttgtacaa	gcagataggc	ctgtaccctg	tgtgtggtcat	cgactccagt	720
ggttatgtga	atcccaacta	tacaggaaga	atagccttg	atattcaggg	tactggccag	780
ttactgttca	gcgttgtcat	caaccaactc	aggctcagcg	atgctgggca	gtatctctgc	840
caggctgggg	atgattccaa	tagtaataag	aagaatgctg	acctccaagt	gctaaagccc	900
gagcccgagc	tggtttatga	agacctgagg	ggctcagtga	ccttccactg	tgcctgggc	960
cctgaggtgg	caaacgtggc	caaatttctg	tgccgacaga	gcagtgggga	aaactgtgac	1020
gtggtcgtca	acacctggg	gaagagggcc	ccagcctttg	agggcaggat	cctgctcaac	1080
ccccaggaca	aggatggctc	attcagtgtg	gtgatcacag	gcctgaggaa	ggaggatgca	1140
gggcgctacc	tgtgtggagc	ccattcggat	ggtcagctgc	aggaaggctc	gcctatccag	1200
gcctggcaac	tcttcgtcaa	tgaggagtcc	acgattcccc	gcagcccccac	tgtggtgaag	1260
ggggtggcag	gaagctctgt	ggccgtgctc	tgcctctaca	accgtaagga	aagcaaaagc	1320
atcaagtact	ggtgtctctg	ggaaggggcc	cagaatggcc	gctgccccct	gctggtggac	1380
agcgaggggt	gggttaaggc	ccagtacgag	ggcgcctct	cctgctgga	ggagccaggc	1440
aacggcacct	tcactgtcat	cctcaaccag	ctcaccagcc	gggacgccgg	cttctactgg	1500
tgtctgacca	acggcgatac	tctctggagg	accaccgtgg	agatcaagat	tatcgaagga	1560
gaaccaaacc	tcaaggtacc	agggaatgtc	acggctgtgc	tgggagagac	tctcaaggtc	1620
ccctgtcact	ttccatgcaa	attctcctcg	tacgagaaat	actggtgcaa	gtggaataac	1680
acgggctgcc	aggccctgcc	cagccaagac	gaaggcccca	gcaaggcctt	cgtgaactgt	1740
gacgagaaca	gccggcttgt	ctccctgacc	ctgaacctgg	tgaccagggc	tgatgagggc	1800
tggtagtgg	gtggagtga	gcagggccac	ttctatggag	agactgcagc	cgtctatgtg	1860
gcagttgaag	agaggaaggc	agcgggggtc	cgcgatgtca	gcctagcgaa	ggcagacgct	1920
gctcctgatg	agaaggtgct	agactctggt	tttcgggaga	ttgagaacaa	agccattcag	1980
gatcccaggc	tttttgcaga	ggaaaaggcg	gtggcagata	caagagatca	agccgatggg	2040
agcagagcat	ctgtggattc	cggcagctct	gaggaacaag	gtggaagctc	cagagcgctg	2100
gtctccaccc	tgggtgccct	gggcctgggtg	ctggcagtg	gagccgtggc	tgtgggggtg	2160

gccagagccc	ggcacaggaa	gaacgtcgac	cgagtttcaa	tcagaagcta	caggacagac	2220
attagcatgt	cagacttcga	gaactccagg	gaatttggag	ccaatgacaa	catgggagcc	2280
tcttcgatca	ctcaggagac	atccctcgga	ggaaaagaag	agtttggtgc	caccactgag	2340
agcaccacag	agaccaaaga	acccaagaag	gcaaaaaggt	catccaagga	ggaagccgag	2400
atggcctaca	aagacttcct	gtccagtc	agcaccgtgg	ccgccgaggc	ccaggacggc	2460
ccccaggaag	cctagacggg	gtcgccgct	gtccctgca	cccatgacaa	tcaccttcag	2520
aatcatgtcg	atcctggggg	ccctcagctc	ctggggaccc	cactccctgc	tctaacacct	2580
gcctaggttt	ttcctactgt	cctcagaggc	gtgctggctc	cctcctcagt	gacatcaaag	2640
cctggcctaa	ttgttcctat	tggggatgag	ggtggcatga	ggaggtccca	cttgcaactt	2700
ctttctgttg	agagaacctc	aggtacggag	aagaatagag	gtcctcatgg	gtcccttgaa	2760
ggaagaggga	ccaggggtggg	agagctgatt	gcagaaagga	gagacgtgca	gcgccccctc	2820
gcacccttat	catgggatgt	caacagaatt	ttttccctcc	actccatccc	tcctcccgct	2880
ccttccccctc	ttcttctttc	cttaccatca	aaagatgta			2919

<210> 310

<211> 18061

<212> DNA

<213> Homo sapiens

<400> 310

tgtaccgagc	tctaatacga	ctcactatag	ggcgctcgact	cgatcatccc	aacaccagg	60
tattaagcct	agcgctccatt	agctattcct	cctgatgctt	ccccccaac	cacagggtgcc	120
agtgtgtgtt	gttctccgcc	atgtgtccct	gtgtggaaaa	tataatatgc	attcttaacc	180
tgtcaatc	ttaaagtta	ctgtatgttt	gctgttttcc	ttaaacagtcc	cgcaatttag	240
aacaatttaa	ctccattcat	ccccttcag	ccctcatcta	ctttaattcc	atattgtttt	300
ttcttctcaa	tagatatatt	attttatagc	caatacttgt	ctttacattt	acatttggtc	360
gcctgcttag	cagctatatt	gttcattatt	ttaattcctt	tatgcatctc	agaactttca	420
tctggaatca	tcttccttct	gcttaaaaca	cattctttca	gattgctctt	agtgaact	480
tagaagttga	tggcaaattc	agttttttta	atggtgaaaa	tggctttatt	ttacccttct	540
tcaaatataa	tgttaccgag	tcagaaaatt	ccggaatggc	agttatttcc	tcccagcaca	600
ttgaagattc	tattccattt	ccagtggtcca	ttggtgcttt	tgaggagtca	gtcatcagtc	660
taaccaccat	tcctttgttg	gtgatttatt	ctctatctgc	ttgtaattat	ctggttttct	720
gcctcaatgt	gtgtagtgat	ttatttttat	tccttttgcc	tgggaattcat	taggtctcct	780
taatctgaga	acttggtttt	tttttaaaga	attctataaa	attctcactt	ttattttggt	840
gaatgttttc	ttattctctt	gtgtcttctt	ctggaactct	gattagacat	atttagacct	900
tctaattata	gccttcagtc	cttcttgact	tcctccttcg	tcacttagct	gcattctgga	960
aattttcctc	agagctacat	tttgttcaat	aatcctggct	taatctgttc	ctggatccat	1020
ccactgaact	tgtaatttta	acggcattat	ttatttcctc	tgggtttgtat	ttcagatctg	1080
cttggtactt	gctccaattt	taagtttggt	ttattttcta	aaacaattta	tatttatatt	1140
cttcatccaa	tcattctata	gccactatga	gacaataaat	aaatccatcc	aactcatcaa	1200
aacacagctg	agaattacca	aataagtaca	aacaaaaacc	taaatatgac	tgattaactg	1260
tgcagaatac	aatgatgtaa	gtttactata	catcaacctc	cttgtaacca	tctcctcgct	1320
tcaacaaata	actcagggca	aaacttcctt	catccatact	tccacctccc	ttctccctgt	1380
ctgaacaaga	tgccactcca	gagactgcag	gttctatgtc	tatcatatgt	gattgcaata	1440
gcttggtcat	ggtagaatac	aaaaaaaaag	aaaaaagttg	aaagccctct	gaaaactgta	1500
gtgcttataa	tagccttccc	aactactggc	catacttaat	attaatcatt	aacactctca	1560
gtagagtgtc	tcagaagtca	aaatgtatct	cctactagct	acaagggaagt	tgggatctaa	1620
taagtattta	tttacagctg	cagtcaccca	acagcctgaa	ataccagggg	ctctaaattc	1680
atgactttgt	gtatgaacaa	gggtcaatag	gatctttact	cagtcctcga	gatataactc	1740
agaaaaatga	attgctgtga	aaaactcact	tgatttcctg	tgggtcacatt	ataagatcga	1800
ataatctaca	aaagtacaaa	actcagtgat	atagagaagc	cagcaaattc	tcctgcctt	1860
atataaacag	gtgggaggct	ttccagtaga	attttttcta	ctccaacaaa	ttggtagatt	1920
gaatgactat	acctcataat	gatgacacta	ttgtatcata	tttttagttta	aatttaaaac	1980

ctcaaaaaact	taccaaaaaact	agccaaagat	ttctggaata	agatatagac	aaagttattt	2040
ctcaaaaaaaa	agaaaaaaat	tggtctgggcc	gggtgcagtg	gctcacgcct	gtaatgccag	2100
cacttttgga	ggctgaggca	ggcagatcac	aagggtcaagg	gatcaagatc	aggctggcca	2160
acgtggtgaa	accccatctc	tactaaaaat	acaaaaatca	gctcggcggt	ggtgcccacc	2220
tgtaatccca	gctactaggg	aggctgaggc	aggagaattg	tgtgaaccgg	ggagggggag	2280
gttgacgtga	gctgagatca	tgccactgca	ctccagcctg	gtgacagagc	aaagctccgt	2340
ctcaaaaaaaa	aaaaaaaaaaa	aaaaaaaaaaa	cggctggaca	caggggctca	cacctgtaat	2400
cccatcattt	tgggagggtg	gggtgggagg	atcacttgag	ctcaggagtt	tgagtcacgc	2460
ctggggcaaca	tagtgggacc	ctgtttctac	caaaaataaa	taaataaaaa	ttatgtaagc	2520
atggcggtgtg	tgctgtagt	cccagctact	tgagaggctg	aagcaggagg	atcacttgag	2580
cctgggagggt	caaggctgca	gtgagctgtg	atttgtgtcac	tgcactccag	cctgggtcac	2640
acagtgaac	cctgtctcaa	aataaaaaata	aaatggaaaa	taactaaaaa	tgggattttc	2700
aaactctttga	tataaatagg	tccagccata	aggaagaatt	gtgctacaaa	agagaacaaa	2760
aatcatcatg	tttaacaact	gcattcatgt	tcttttctaa	ttataaagct	aactattgat	2820
tttataatgc	ttctacacac	cttgatcatg	tgttagcata	tgaactcct	agctgagacc	2880
aaacttactat	aaaacttggt	taattttaaat	agtataat	tccaatgact	ttaatctaac	2940
aaactcctac	cccattaatc	aacacaaaaa	acaattcatc	tttgaataca	tgtataaaga	3000
acatagttca	tgtgtttata	aaaagttcct	ctctgctaca	gagtttagct	gtgacatcta	3060
ttaacaaagt	aattttataac	tctaataagt	tagcaaggct	ttcttgctac	cagtcacagtc	3120
attgggtggtg	agtactcagt	attggctgat	gaatacatga	atggataaaa	atataagagc	3180
tgcccacaca	tataccataa	aatgcataaa	atagattcca	ttttatctca	attttttattt	3240
ctgtgatata	actaagataa	aatcaaacac	aatgtattat	tttaaagtat	actgtttata	3300
agagagaaat	aataagatct	gaccttattt	tagaagaaag	ttgtgtgtaa	aagaaattta	3360
aaactcaaaag	taaaaaagcc	actgggtttc	aaaaactcaa	aaaaaatttt	ttttaagtga	3420
ctggcctttca	gaacaacagc	aacaacaaat	aagccactaa	aataagacaa	ttaaattcca	3480
attttttttg	cattttacttg	cttgcttaat	tatatacaaa	tctcaattcc	attaaagtat	3540
caggatgaca	attaattaga	tgttttttagt	gacttttcca	atcccttcta	attaacttgg	3600
aagtgattaa	ctgattatct	aatttatatta	attagtgatt	atctaattaa	ctaaggaagt	3660
gattttacatg	cttcatggga	agtgtgaatt	ctcagccagg	gggtttgaat	gaaggggaagc	3720
aagtgactca	ggcattttatt	ggttgcttac	aatcagattc	ccaccgatga	gatcatgccc	3780
atgtgtctag	aggctccacac	acaagcagct	gcctccagcc	caaccctgga	agctgagtgt	3840
agtcccaagt	ccccgcctgc	accccttctc	atataaacag	ccactctcgc	tgtgattatg	3900
ggggcataca	aggaagatca	ggcttccatg	gaagcttctg	caactgaaat	ccactgggga	3960
ctttagaagg	agcacctgta	agtagcttca	ggatggatgg	ggcagagtct	gtctcatggt	4020
gggtgttaag	ctggcctcat	acaaaagagg	agacccatcc	tgataccatg	ccaggtacaa	4080
agcactgtgt	gattttattct	aagtgtcttg	gtaacaggac	ttgaagccag	gtggtgactg	4140
gaaacctaaa	atgcaatatt	tagtcataga	acattagaaa	tagaaagaaa	ataacctccc	4200
aaatcatcta	atccatcact	cagctaaatt	catttaattc	acatccccaa	actacatctc	4260
caaatgtaca	atggtttcat	tcttggttta	gggattcgag	gttttgtgtt	tgtacaaaaat	4320
atttttaatat	tcttataaaa	taagatgtcc	aaaacacaat	aaacttaaaa	gccaaacaca	4380
agcaaagcat	gaaacagagg	ttctgaagag	caactcctca	atacaaatca	aacattgtcc	4440
tttatctcca	ttgtgacttt	cagttatgta	ggcacatctg	cctttttaga	tacctaaatt	4500
atacatgagg	attgtaaaata	ttctttgtgt	gtatgttagg	atgaaaaaaa	cctgcgaagg	4560
caggcgcatg	ggctaaaaga	atacactttc	ctgtttcctt	ttataacctg	tttaattaaa	4620
aaaaaaaaaaa	gttgccccctg	ataaaagcct	ccaagaaatg	cctctagtgg	tattttctgg	4680
aattgaatta	agcatattaa	catattgcta	tacaaagcgg	ggggcggtgga	agtaaggcaa	4740
ggtggactgt	ggtgccaatc	ctagtgcacat	gtcagcagag	gaggagtctc	ttgcctgtgg	4800
acttcataaaa	aggctagctc	aacaccctcc	atgagacaca	ctctgccccca	accatcctga	4860
agctacaggt	gctccctcct	ggaatctcca	atggatttca	gtcgcagaag	cttccacaga	4920
agcctgagct	cctccttgca	ggccccctgta	gtcagtacag	tgggcatgca	gcgcctcggg	4980
acgacacca	gcgttttatgg	gggtgctgga	ggccgggggca	tccgcatctc	caactccaga	5040
cacacggtga	actatgggag	cgatctcaca	ggcggggggg	acctgtttgt	tggcaatgag	5100
aaaatggcca	tgcagaacct	aaatgaccgt	ctagcgagct	acctagaaaa	ggtgcggacc	5160
ctggagcaqt	ccaactccaa	acttgaagtg	caaatcaagc	agtggtagca	aaccaacgcc	5220

ccgagggctg	gtcgcgacta	cagtgcata	tacagacaaa	ttgaagagct	gcgaagtcag	5280
gtgagagatg	atgcttgtgt	ttcctactct	gtgttttagct	tcaagataaa	tcaagagggt	5340
atctatgtta	ggtagggtcca	aatggacttt	gtaaagcaaa	ttaggctaaa	atgttacatc	5400
tataaaaaatt	ctttcatcta	ccttttagtgc	tggagtacct	gactgtacaa	taggatgacc	5460
ttaaatcatg	ctattttttaa	tgtttaacac	aattacatac	aaaatatgaa	cattttatcc	5520
tccggaataa	aatgaatctt	tgtcacagct	tatcacatca	gggctaaatg	tatagtgaac	5580
aatctttctg	aaaagagcta	aaaattaatt	acgtgataaa	tctctcttag	tttttcacct	5640
agtccttctc	aagttttgaa	acccagtaa	attcaaagac	ttttctcctt	ttatttaagt	5700
aaatgttata	atatgactat	tagaatactg	tactgcagat	ttaaatagca	aagtgattct	5760
gggtggaaac	agtgtggcag	gaatatgggt	cttaatgatg	cctggatttt	taagtgcctt	5820
gtttaataac	atgaccatca	gcatcaagca	gttcagaaac	tacttctaca	gtaataaaat	5880
gttctattgc	cccccaattca	tgtttattat	aatcatatca	caacctctc	ctatgtcatc	5940
aaaaaaagg	tggagctctg	tattttatca	gtttcatgga	ataaaaagcag	aagactttgc	6000
tcctaattga	aaatttcaga	tatgacacag	agcacttgct	tcaaattaaa	gttcttatct	6060
aattaagaaa	agtgttcact	gtaatttctg	ttaagattca	tactccttta	gagcaaagcg	6120
catttactta	ccagcaagtc	tgtttttctt	gagttgtact	aaacatcagg	gcaatttgat	6180
tcggactcca	tgggaagtta	ctttggaatt	ttcgaacta	taggcatgtg	aagcaatggc	6240
atttaaatag	cgccttccgg	aataaaagttc	atcctctgca	agctctcact	aaaaatgttc	6300
gaaccacacc	tgtctcgtgt	ttctgactct	agtttgggtc	atctgaaata	cacagcacag	6360
gccatccgtc	ccattgagct	ggacagtcct	aaccatagga	agcagccctc	tccaaaactg	6420
ggtccattga	aagagaaatg	tcattgtaac	atcctctgca	agtagatttt	tcacttatat	6480
gcctccatca	tgcatttctg	tctttcatgc	atcatgttct	ttcattcagc	caatactgaa	6540
tgaacactaa	ctaggtgctg	ggcaccatgc	tggggactga	ggaatattat	gggtggacaca	6600
atatgattta	tgaggataga	gggatggaca	gagggaccag	cacacagagg	gataatgaga	6660
gcacaggcag	atcatccagt	tcagttttga	gagcatctgt	gaaggctcct	atgaagcaat	6720
gttgtcgaac	ctgagacatg	agggaggaat	gggagttcac	cagaccacag	gggctaaaaag	6780
aaatgtccta	agtgaataca	tcaaaggcaa	ggcactcaat	aagggtgtgat	gactcaagtt	6840
gagttaaaatt	atccttctgt	aaaatcacaa	gaaagtagac	caaaccctgg	ggcatctaga	6900
gttgcatttt	atgactctgt	tatgtttaat	aactatgtca	ttattttttc	tatatatttt	6960
catgtagaaa	tacttgaaat	gaacatcatt	tttgacataa	tagtcaactgt	agctggggat	7020
aaactaaatc	cttgtaaaact	cctatccagt	tgaaaatgtc	attcttggcc	gggcacgtgg	7080
ctcacgcctg	taatcccagc	actttgggag	gccgaggcag	gcagatcacc	tgaggtcaga	7140
acttcaagac	cagcctggcc	aacatggcaa	aatgctgtct	ctactaaaaa	tgcaaaaatt	7200
agccgggcat	ggtggcggat	gcctgtaacc	ccagctactc	gggaggctga	ggcaggataa	7260
ttgcttgaac	ctgggaggca	gaggttacag	tgagccgaga	ttgtaccatt	gcactccagt	7320
ctgggcaaca	gagcaagatt	ctgtctcaat	aaataaataa	ataaataaat	aaataaataa	7380
ataaataaat	aaaaaagaaa	atgtcattct	ttctcatgta	ttttccagat	taaggatgct	7440
caactgcaaa	atgctcgggt	tgtcctgcaa	attgataatg	ctaaactggc	tgctgaggac	7500
ttcagactga	agtaggttcc	ctaatacgtg	gcaaaagttt	ctgaaaaaga	attccttttag	7560
tagtccttcc	agatactcag	ctttccatat	cattgtttgat	aaaggaagca	cggttcaatg	7620
tccagaatcc	tgaagcctaa	aggaggttag	aagctacatg	tatgaagcta	accagcact	7680
cagggatggc	cttctctttc	ttgatcccc	ggcatgtaac	taaacacctc	cagtaactac	7740
tattctcctt	ggttattact	ggttgctaaa	ttttttttta	gtaacctggt	atctaaacct	7800
aattctgccc	tttgagagta	taacaaagta	atttacaatt	ctccttctcc	ctaagtgcct	7860
ttctgttctc	taaagagagt	cttgtgtcta	cccttggtga	ttctccaagt	aattctccac	7920
gttcattcaa	gtgcctgcaa	gtgtatgacc	caagttccag	gggtgactct	tgatgatttc	7980
tggcttgcca	gtgttttaca	ggatggctct	gccaaacaaa	gaaccaggac	caatctataa	8040
taattagctg	gcgtgatgcc	gtatgtctgt	aatcccagct	actccggagg	ctgaggcagg	8100
agaatcgctt	gaacctggga	ggcggagggt	tcagtgaact	gagatcgtgc	cattgcactg	8160
caacctgggg	ggcagactga	gacctgtct	caaaaaaaaa	aaaaaggaag	aaagaaagaa	8220
aagaaaaaga	aagtaaaaat	tgtgttcact	ttctttgtag	tcatcacacc	acatgtgacc	8280
agacctgttc	cttgcaaaaca	gcttccacac	taaggcctct	tcatcctgaa	tttgtacaat	8340
gcattaacac	caaaaagccc	tttgtggtta	gaagggtagc	cttttaaatgc	tccaagggat	8400
taacaagaag	gaaataggaa	atcaaatcca	aagatgaaag	cagtaaagggt	gcattacttc	8460

caattttacc	tagcactgag	tgtcacattg	cagtgtcatt	ttttaaaagt	ggatattttta	8520
ggaaactggg	cagggcacgc	atgatcgtaa	cgcctgtaat	cccagcactt	tgagaggctg	8580
aggcaggagg	ctcacttgag	tcctggagtt	tgagaacagc	ttgggcaacg	tggcaaaacc	8640
acatctctat	acaaaaatac	aaaaaaaaatt	agctgggcat	ggtggcatac	atctcgtgtc	8700
ccagctactt	gggaggctga	ggtgagagga	ttgcttgagc	cccaaagggt	gaggctgcag	8760
tgagccatga	tcacaccatt	gtactccagc	ctgagtgaca	gagtgggacc	ctgtctcaaa	8820
tacacacaca	cacacacaca	cacacaccac	acacagtgtg	tatgtaagat	tgtagaggag	8880
gatgtagagc	tgtttgagat	aattcacttt	ggatgtctct	gttcacaaaag	taataaaaaat	8940
aaatcgatca	tgtacattca	ttaagtaaaa	ctaaccatta	tttaatatca	ataataagaa	9000
ccctttgcc	acacaataat	taacacaatt	taatttctta	taagataaat	tctagaattt	9060
agaagtgttc	aaaattattt	cagattgcct	ttttaccagt	caccccaa	tatagagatt	9120
atattattga	gcacattttc	tgactcctag	gttcttatgt	aaatttcatg	attgtgtaaa	9180
ggcagacatt	ataaagtatt	gaaattgatc	tcctcataag	ccacatttaa	aaacctatcc	9240
cattatatta	gattctctcc	ttataatggc	ttcagaagga	ccagttatct	ctgtacacta	9300
attaattcac	aggtatgaga	ctgagagagg	aatacgtcta	acagtggaag	ctgatctcca	9360
aggcctgaat	aaggctcttg	atgacctaac	cctacataaa	acagatttgg	agattcaa	9420
tgaagaactg	aataaagacc	tagctctcct	caaaaaggag	catcaggagg	tgagaaaata	9480
ttcagaagtg	gtattggaaa	caatggaatg	gttctatata	atactaataa	taggaggagc	9540
gggagaaaca	ggagaagggg	gaagagttgg	tggtgatagt	gacagagatg	atgacgatga	9600
caataatgat	acaagcccta	ccttcttttc	ataatgttgt	tgtaagttaa	atgacttaga	9660
gcagcacctg	gaccacaata	agcccaacac	aagttattat	tttatatctt	ttttacttat	9720
tcccaatgaa	agaggtcatg	agactcctta	tgtcttttct	gccagcctt	atctgagaat	9780
gtgcttcaga	ctaaaatcaa	tcagaaattt	cactttcata	ggaagtcgat	ggcctacaca	9840
agcatctggg	caacactgtc	aatgtggagg	ttgatgctgc	tccaggcctg	aaccttggcg	9900
tcatcatgaa	tgaaatgagg	cagaagtatg	aagtcatggc	ccagaagaac	cttcaagagg	9960
ccaaagaaca	gtttgagaga	caggtaacca	cacaattcta	aaggggtgagc	aaacgtgtag	10020
atgctttcct	ccagaaacag	ataactcatt	ttctttttca	tttggttcatt	cttcctttct	10080
ctttctgtct	tttcttttct	atttccaccc	ctcaactatt	tttttttcac	tcttggcact	10140
gtagactgca	gttctgcagc	aacaggctac	agtgaatact	gaagaattaa	aaggaactga	10200
ggttcaacta	acggagctga	gacgcacctc	ccagagcctt	gagatagaac	tccagtccca	10260
tctcagcatg	gtaaagcata	tctaacttct	ctttctcaat	ctagtatgtg	tttaccagg	10320
tcctctgtta	ggaactatag	aaatgcaaag	acctacaaga	aataaccctt	ccccttgag	10380
aactggcagg	gaaacaggcc	gaacaactga	ttataattaa	aggacagaga	gaaatcgagg	10440
aaagggcaat	gtactgcatg	aatgcagagg	aaagagtaaa	tctggaagat	ttcacaggga	10500
aagtggcatt	taaaccagat	ctttttgtaa	cttttaagtt	caggagtaca	tgtgcagatt	10560
tatgatgtag	ttaaacttgt	gtcatgggga	tttggtgtac	aggttatttc	atcactcagg	10620
tattaaacct	aatacccat	ggttattttt	cctgatcctc	tcctcctcct	taccctccac	10680
cctctgttag	gcccccatgt	ctgctattcc	cctgtatgta	tccattatac	cagatctcaa	10740
aatctaagat	aaaattttta	gatggagaat	ggactagaga	cattccaggc	caagcaaate	10800
agcaagccca	tgacaaatta	tgttgtggta	agcagaatcc	ctcaaaccac	agtggcctgc	10860
agccatgata	ctacatccac	cgtgacattt	cctttccaag	ggcaaggcta	aaggggtagg	10920
ccctacctag	gacatgccag	tgtcctggca	gaaagaaaag	agcaatggtt	ggtccacttg	10980
atagctctta	aagcttctcc	ttagaaaagg	catttgtcct	ttgggaggcc	aaggcaggag	11040
gatcatttga	ggtcaggagg	ttgagaccag	ctggccaata	tggtgaaacc	ccatctctac	11100
taaagataca	aaaataagct	gggcatggtg	gtgtgtgcct	gtaatcccag	ctacttggga	11160
ggttgaggca	ggagaatcgc	ttgaaccag	gaggcagagg	ttgcagttag	ctgtgatcac	11220
attactgcac	tccagcctgg	gcgacagagc	aagactccgt	cccaaaaaaa	aaaaagaaaa	11280
agaaaaggca	tttgtcagtt	tgacctgcatt	tttattaacc	aaagagagtc	acatgacca	11340
gccaggtgtc	aatggattaa	aggaatctaa	tcctgcaatt	gagaaatgcc	acagatcaca	11400
tggccaggtc	tgatgaagga	gtgagaggta	taacatcttc	acacagtggg	gaagcaagta	11460
ctgagaacaa	tgctacaatg	cgcgcactg	aaagaacagt	aggtgcaaag	ctacaagcaa	11520
agaaaaaccc	caagagctaa	tgatcctagc	tggctggctg	aggttgctta	gttgggaaga	11580
gtgggagatg	gagctagaaa	tatacaccat	gccacagtgc	atgaactgca	gagacccttc	11640
tcaaaggaaa	ttaaaattaa	cccatctctt	gaatcaagtc	ctcacataag	aagtgcctta	11700

tttttcttgt	gctcatagaa	agagtccttg	gagcacactc	tagaggagac	caaggcccgt	11760
tacagcagcc	agttagccaa	cctccagtcg	ctgttgagct	ctctggaggc	ccaactgatg	11820
cagattcgga	gtaacatgga	acgccagaac	aacgaatacc	atatccttct	tgacataaag	11880
actcgacttg	aacaggaaat	tgctacttac	cgccgccttc	tggaaggaga	agacgtaaag	11940
taaggctctt	agaatcaagg	aataggtgtc	aatatctgta	tgactttcta	ttttaatgtc	12000
cctgtcactc	attaccagc	accaatgcaa	tccctaggac	agaagcaatt	atactcacac	12060
atgcctcacc	acgaacaaca	aaacgaaaat	ataccaaaaa	atacacacac	gccccaaaata	12120
tcaagtacag	ccttgagatc	atgtggtagg	actgagttct	accacatgat	catttgaggaga	12180
taattctcca	aatgatatag	attatgctga	tattaatttt	catcattaat	atataattga	12240
aggcataata	accttttgga	aattctaatt	gagagctcat	gaattagaca	ataagctgct	12300
gaggtccacg	ggagccagtc	tgagaatcat	aagtgtggca	gcagcaactg	tcttcagata	12360
ccatacctaa	gaatatcaac	aagagaacac	aagatttaaa	cttcatttgt	aattttgtta	12420
ttttaattag	aggaacttct	tagcatatat	taaactggtc	agttttaaat	ctatgtattt	12480
ttcaagttaa	aaagtaaaat	gctcaagttt	gcaataaaaag	caatgtaaaa	gggaaagata	12540
tatgaaagca	ataacacatt	cattgggact	ttgaaatata	aaagacagga	gtgcattcca	12600
ttttcaaaac	agcaataatg	cttttttctg	tttctttttt	cttcttttca	ttaaaaaaa	12660
aaacagaact	acagaatatc	agttaagcac	cctggaagag	agaggtaagt	tctaaatttt	12720
tgacacattt	ctatgacatt	cagctgcttt	ctattaacta	catgccactg	ataaaaaagta	12780
aagtgaggct	gttttagtct	gttttctgct	gctgtgacag	aatacctgag	actggataat	12840
ttacaaacaa	tagacgttta	cttggctcac	agttctggag	gccagaaaagt	ccaatatcaa	12900
ggtgccggca	tcttgtaagg	gccttcttgc	tgtgtcatcc	catggcagaa	agtagaagtg	12960
caaaaagagt	tccatgagaa	ccagagagca	agaggaggct	aatctttctt	ttagaactag	13020
cccactctca	caataactaa	cccattatca	tggttaaccac	attaatccat	ccatgagaga	13080
agagccctca	tcatctaate	accttttact	aggccgcacc	tcccaacact	gttacattgg	13140
ggattaagtt	ttccacacat	gaactccagg	gaacacattc	aaaccatagc	aaaggccaat	13200
tctcaaggga	gcagatatga	caccagggat	tctaaaaatc	ttgtacatgg	cataaagaaa	13260
ccctccacat	gggaacttgg	gcacactcct	cagaatgggg	tgattttctt	ggcctgtgct	13320
attgctatct	tgaaacatcc	tgacatcctg	aaaaggaaaa	acaagacaaa	atltgaattc	13380
cacttaaat	caagataatt	tatttcttga	atltttaaga	gtaggacatt	tgtaaatltg	13440
gggagaagca	cattttctgc	atctatlttat	aaaatggact	taagattltt	tgagaaagag	13500
gatgggttta	acatattltt	ctaaaagaag	gaaataagta	aaaagaataa	taattttaag	13560
ttgaataata	taaatcagca	gagtcatgtg	cctgaattaa	cattttaatgt	ttaatatgaa	13620
ttcagatata	aagaaaacca	ggaagattaa	gacagtcgtg	caagaagtag	tggatggcaa	13680
ggtcgtgtca	tctgaagtca	aagaggtgga	agaaaatatc	taaatagcta	ccagaaggag	13740
atgctgctga	ggttttgaaa	gaaatttggc	tataatctta	tctttgctcc	ctgcaagaaa	13800
tcagccataa	gaaagcacta	ttaatactct	gcagtgatta	gaaggggtgg	gggtggcgga	13860
atcctattta	tcagactctg	taattgaata	taaatgtttt	actcagagga	gctgcaaat	13920
gcctgcaaaa	atgaaatcca	gtgagcacta	gaatatttta	aacatcatta	ctgccatctt	13980
tatcatgaag	cacatcaatt	acaagctgta	gaccacctaa	tatcaatttg	taggtaatgt	14040
tcttgaaaat	tgcaatacat	ttcaattata	ctaaacctca	caaagtagag	gaatccatgt	14100
aaattgcaaa	taaaccactt	tctaattttt	tctgttttct	gaattgtaaa	accccttttg	14160
ggagtccttg	gtttcttatt	gagccaattt	ctgggttaat	cttattgatt	tttcagcatc	14220
agtacaactc	tacaaccttt	gagctatate	tgttttttcc	cattgtcttc	actgcctttt	14280
aaaactcaac	acagcttttt	gaataatttg	agagtcaaat	tcaatcacia	atgctgagac	14340
gaataagagt	gaagtacact	atacttaaaa	tggaaataga	ttaaaaacaa	cattactgaa	14400
acccttcgca	aggcaaaatg	tgtctccttt	tgataataag	ctgcatatac	tatcaggtcc	14460
tctctttctt	tatatggtga	acatatattt	ttaatgaaat	gtctctcatt	tttttaataa	14520
cagatttatt	gagatataat	tcacacacca	tgaaattcac	ccttacaaaa	cgtacaattc	14580
agtggtcttc	agtatgctta	caatgttttg	caaccatcac	cactatctag	ttttagaaca	14640
cttcatcacc	ccaaaaggaa	atcttgtaac	tattagtagt	caccgccttt	tcccttcttc	14700
ccagccccta	acaaccacta	atctacttcc	tgtctctacg	gatttgctta	ctctggacat	14760
ttcatataaa	taggttaata	cgatgtgtcc	ttttatacac	aaatgttcat	agcagcatta	14820
ctcataaaaag	ccccaaagcg	aaacacctca	agtgctccatc	aaccgatgaa	tggataaaca	14880
aaatataata	tatccacaca	atagaatctt	attcgtcaat	aaaaaggaat	gaagtactga	14940

tacatgctat	aacagagatg	aacttcgaaa	acatgctaag	tgaaagaagc	caaatccaaa	15000
aacaataaaa	acacatat	tatcctcacc	ctttttgcat	tttagtgagc	aatcattgca	15060
tatgaatggt	tatgggaaaa	atcaatgtgt	gctaaatcat	tgtattccag	taaatagatt	15120
ggacttaaaa	cttgatacag	aagttgcaaa	taagtgggat	tgagtttgat	tattatatag	15180
aaaataatta	catgattcat	ttaagaataa	taatatccac	catttattga	gcacttacta	15240
tgagcctgtg	tgccaaacat	ttcatgcatt	tctcatttaa	ttctcacaat	aatcctgtga	15300
ggtagaagct	attaggttga	atcatatgaa	cttgccaata	tatgataatt	tctaagagtt	15360
gggaattttt	gaggatgtga	atgggtaccac	tttgaattcc	taagatgtaa	tataatatct	15420
aacacatagc	aggcacttga	ttcattat	ttaaattgaaa	gaataaagtt	ttttaagctt	15480
tccaatatat	gataatttct	gactttcaga	aatagcaatt	ttatatgcta	ttatatagca	15540
tatataataa	ggttcagcct	tattatgtta	ccccacttt	acatatgagg	ataaatgagg	15600
actcatatga	agacatgaga	taaagacttt	cccaaagtca	agcagttacc	aagtagtaga	15660
gcgagactga	acctcagcgc	tgtttctcta	aaaccaggac	acctcataa	gcaactaatt	15720
acataacaaa	gcaatacatg	attcacagtt	gaaataggca	cttgctatcc	gcagttat	15780
tggtgttttc	taattgtcat	tttcatcagc	cagacacaac	agccaattgt	ggcaaatgtc	15840
cagctttggc	tcgtaacatc	acacatgact	tgattcagta	caacttttgt	cagaaaaggt	15900
attctcacct	attctcattg	ccttcttttc	caaagtgaag	agatttcact	catttttttc	15960
ttaattttct	tccaagtcac	gctagctagt	aagttgcatt	ttaaagatgtt	aagaatat	16020
aaaagtgaat	tctttttcac	ctactgagtc	acattccaga	atagtctgaa	actttgacat	16080
gcaaatacca	gactgtgaat	ctgattaata	agaaacctat	gcagatgggt	ttgtaactga	16140
ttaggcctga	ccactgttat	atggcaatga	tgacactgtg	ttaaaagagg	taggattgtt	16200
attcttaatt	taggatggtc	ctcttttaac	tacctgttaa	aagaagtaga	attgttat	16260
ttagatcaga	aaaatgaaga	ttttttcttc	ctcttgcttc	tttgggtctgt	ctctagtttc	16320
ttccaagcaa	tctttcaaag	aagtgaagtga	gagctacata	catgtggacc	agatgggtga	16380
gttctacctc	cagttctgcc	agcagttact	gtgtgaaagt	gaagcattaa	tctttgtatc	16440
tatctatat	tctgatatga	gctaagaact	agaatgacat	aatcctat	ctgacaggta	16500
aacagatcca	gagagaagtc	tttatcacac	attagaatta	tcatcaatgt	attttttcat	16560
tttatatgaa	attgtcagtg	cagaagtga	gctatcaaac	tcagagagag	cccctagagg	16620
tgaggttagg	atggaaataa	ctattttttc	tgagctctgg	agattat	taccagagt	16680
tctgaattcat	ctaaaaagga	gaatgacatg	gagtgataca	aaatcaaac	atggccagtg	16740
acctcctcag	acactctgtt	ctcatccaca	tgcatcagga	tcagcctcag	gtacctgatt	16800
agacccccaa	gtaacaattc	caacttaaag	cattagtagt	gattttttatt	tttgaattct	16860
ctttcaaaca	tctctgtttt	ctctccccta	ggctcatttc	caagattcct	ctcatcaggg	16920
tattttttta	tcatcttctt	gtctcctacc	actttcaaaa	ttctcccctg	ctttcaagaa	16980
ccattgatct	ctggagccca	gaagtcaatc	tcactcatac	cccttaggtc	cttgtttaac	17040
cctcatctca	aaagcacat	acataaaatg	taggcaaccc	aaaattctct	cagtcactca	17100
caggatttta	taattgttatc	caaagtga	gatgttacag	atcaagggat	cagcgagttg	17160
cagaaaatga	caggtctgtc	ttacgggaaa	aaactcaggt	agaaaacctt	gcaaagacca	17220
ggacagaaac	caacctgaca	tgaaaagatg	agggatgat	ttactcaata	aaaatctaaa	17280
gacttgtaaa	aaccacataa	ctaattttct	ctattttgaa	catttcctaa	actctacaaa	17340
aatggaagat	ataattcttt	tgaacagttt	gccctggcta	taatcatttt	cctctctgcc	17400
tcaacttatg	caatcactct	gccacaagc	ccaagattgt	ttattgtttt	ttacatcacc	17460
actgccttat	gcattaatgt	ggctgtcaaa	gaaaattatt	ttcacttcta	aaacctctaa	17520
agcagagtct	tgattatttta	acttagcctc	ccacttaaaa	aaaaaaaaagc	cactgaagaa	17580
gaaatatttc	cctttttcaac	ttctgaagtt	gctccccatt	cataactgaa	ttcagaataa	17640
atattgggtca	aagcatacca	gtaaattagg	gcacagtcac	tttcaaatga	aatgaatttc	17700
aaatgacaca	ttcaaacaca	ttaagactta	acttctttca	aatgaaatca	ttcaaggagt	17760
gcagtataaa	agttcagcga	aacactaggg	taggactcag	gataaaaaat	aaattagatg	17820
tagtacctac	ctaacaagct	tagtctagga	taatatgtta	tatgtataga	aacataaaca	17880
aataatatat	aaacataatt	tttagagatt	gagcaatatt	atttaaattt	taccataggg	17940
attagagttg	gaaagtgtac	ctttcagcac	aaaatcaatt	ccaagttcaa	aaattcaact	18000
taatcatatt	cccgtattat	gtgatcgagt	cgactccctt	tagtgaggggt	taattgagct	18060
c						18061



<210> 311  
 <211> 2834  
 <212> DNA  
 <213> Homo sapiens

<400> 311  
 tcggagcctg cggaggggtgg tgggtggtggt ggtggtggcc ctgccccgcc tcaactcatgc 60  
 ctctctctcc tctgctctcg ctgaggcgcc tcggtggcgg ttggtcgccg gttacgcggc 120  
 tgggtggtcgc ggcggccggg gctcgctctc ggggagggcg gggcgatct cgcgccgag 180  
 gcggcgccgg ccgaggtggg gtcgcgcggc ggaggcggt cgagcttcgt gctgcgcgt 240  
 cgctcttggg ctctctcgct caggaggagt gtgactatgt gcagatgatc gaggtgcagc 300  
 acaagcagtg cctggaggag gccagctgg agaagagac aataggctgc agcaagatgt 360  
 gggacaacct cacctgctgg ccagccacc ctggggcca ggtagtgtc ttggcctgtc 420  
 cctcatctt caagctctt cctccattc aaggccgcaa tgtaagccgc agctgcaccg 480  
 acgaaggctg gacgcacct gagcctggcc cgtaccccat tgctgtggt ttggatgaca 540  
 aggcagcgag ttggatgag cagcagacca tgttctacgg ttctgtgaag accggctaca 600  
 ccattggcta cggcctgtcc ctgcgccacc ttctggtcgc cacagctatc ctgagcctgt 660  
 tcaggaagct ccactgcacg cggaactaca tccacatgca cctcttcata tcttcatcc 720  
 tgagggtcgc cgctgtcttc atcaaagact tggccctctt cgacagcggg gagtgcggacc 780  
 agtgctccga gggctcgggt ggctgtaagg cagccatggt ctttttccaa tattgtgtca 840  
 tggctaactt ctctggtg ctggtggagg gcctctacct gtacaccctg cttgccgtct 900  
 ccttctcttc tgagcggaa gacttctggg ggtacatact catcggtgg ggggtacca 960  
 gcacattcac ctggtgtgg accatcgcca ggatccattt tgaggattat ggtctgctca 1020  
 ggtgctggga caccatcaac tctcactgt ggtggatcat aaagggcccc atctcacct 1080  
 ccacttgggt aaacttcac ctgtttatct gcatcatccg aatcctgctt cagaaactgc 1140  
 ggccccaga tatcaggaag agtgacagca gtccatactc aaggctagcc aggtccacac 1200  
 tctgctgat cccctgttt ggagtagact acatcatgtt cgccttcttt ccggacaatt 1260  
 ttaagcctga agtgaagatg gtctttgagc tcgtcgtggg gtctttccag ggttttgtgg 1320  
 tggctatcct ctactgcttc ctcaatggtg aggtgcaggc ggagctgagg cggaagtggc 1380  
 ggctgtggca cctgcaggc gtccctgggt ggaaccccaa ataccggcac ccgtcgggag 1440  
 gcagcaacgg ccgcacgtgc agcacgcagg tttccatgct gaccgcgtc agcccagggtg 1500  
 cccgcgctc ctccagcttc caagccgaag tctccctggt ctgaccacca ggatcccagc 1560  
 ccaagcggcc cctcccggc cttccactc gcagcagacg ccggggacag aggcctgccc 1620  
 gggcgcgcca gccccggcc tgggctcgga ggctgcccc ggccccctgg tctctggtcc 1680  
 ggacactcct agagaacgca gccctagagc ctgcctggag cgtttctagc aagtgcagaga 1740  
 gatgggagct cctctcctgg aggatgcagg tggaaactcag tcattagact cctcctcaa 1800  
 agggccctta cgccaatcaa gggcaaaaag tctacatact ttcatcctga ctctgcccc 1860  
 tgctggctct tctgccaat tggaggaaag caaccggtgg atcctcaaac aacactggtg 1920  
 tgacctgagg gcagaaaggt tctgcccggg aaggcacca gcaccaacac cacggtagtg 1980  
 cctgaaattt caccattgct gtcaagttcc tttgggttaa gcattaccac tcaggcattt 2040  
 gactgaagat gcagctcact accctattct ctctttacgc ttagttatca gctttttaa 2100  
 gtgggttatt ctggagtttt tgtttggaga gcacacctat cttagtgggt cccaccgaa 2160  
 gtggactggc ccctgggtca gtctggtggg aggcagggtc aaccaagga ctgagggact 2220  
 ctgaagcctc tgggaaatga gaaggcagcc accagcgaat gctaggtctc ggactaagcc 2280  
 tacctgctct ccaagtctca gtggcttcat ctgtcaagtg ggactctgtc acaccagcca 2340  
 ttcttatctc tctgtgctgt ggaagcaaca ggaatcaaga gactgcctc cttgtccacc 2400  
 cacctatgtg ccaactgttg taactaggct cagagatgtg caccatggg ctctgacaga 2460  
 aagcagatcc tcacctgct acacatacag gatttgaact cagatctgtc tgataggaat 2520  
 gtgaaagcac ggactcttac tgctaacttt tgtgtatcgt aaccagccag atcctcttgg 2580  
 ttatttgttt accacttgta ttattaatgc cattatccct gaattccctc tgccaccca 2640  
 cctccttgg agtggtggctg agggagcctc catctcatgt atcatctgga taggagcctg 2700  
 ctggtcacag cctcctctgt ctgcccttca cccagtggt cactcagctt cctaccaca 2760  
 cctctgccag aagatccct caggactgca acaggcttgt gcaacaataa atgttggtt 2820

ggaaaaaaaa aaaa

2834

<210> 312  
<211> 10660  
<212> DNA  
<213> Homo sapiens

<400> 312  
ctactacagt ggcggacgta caggacctgt ttcactgcag ggggatccaa aacaagcccc 60  
gtggagcaac agccagagca acagcagctg caagacattg tttctctccc tctgcccccc 120  
cttccccacg caaccccaga tccatttaca ctttacagtt ttacctcaca aaaactacta 180  
caagcaccaa gctccctgat ggaaaggagc atcgtgcac aagtaccag ggtggtccat 240  
tcaagctgca gatttggttg tcatccttgt acagcaatct cctcctccac tgccactaca 300  
gggaagtgca tcacatgtca gcatactgga gcatagtga agagtctatt ttgaagcttc 360  
aaacttagtg ctgctgcaga ccaggaacaa gagagaaaga gtggatttca gcctgcacgg 420  
atggtcttga aacacaaatg gtttttggtc taggcgtttt aactgagat tctccactgc 480  
caccctttct actcaagcaa aatcttcgtg aaaagatctg ctgcaaggaa ctgtagctt 540  
atggttctcc attgtgatga aagcacatgg tacagttttc caaagaaatt agaccatttt 600  
cttcgtgaga aagaaatcga cgtgctgttt tcatagggtg tttctcactt ctctgtgaaa 660  
ggaagaaaga acacgctga gcccaagagc cctcaggagc cctccagagc ctgtgggaag 720  
tctccatggt gaagtatagg ctgaggctac ctgtgaacag tacgcagtga atgttcatcc 780  
agagctgctg ttggcggatt gtacccacgg ggagatgatt cctcatgaag agcctggatc 840  
ccctacagaa atcaaatgtg actttccgtt tcatcagacta aaatcagagc catccagaca 900  
gtgaaacagt caccgtggag gggggacggc gaaaaatgaa atccaaccaa gagcggagca 960  
acgaatgctt gcttcccaag aagcgcgaga tccccgccac cagccggtcc tccgaggaga 1020  
aggccctac cctgccacgc gacaaccacc ggggtggaggg cacagcatgg ctcccgggca 1080  
accctggtgg ccggggccac gggggcggga ggcattgggc ggcagggacc tccgtggagc 1140  
ttggtttaca acaggaata ggtttacaca aagcattgtc cacagggctg gactactccc 1200  
cgccacgcgc tcccaggtct gtccccgtgg ccaccacgct gcctgccgcg tacgccaccc 1260  
cgagccagg gaccccggtg tccccgtgc agtacgctca cctgccgcac accttccagt 1320  
tcattgggtc tcccgaatc agtggaacct atgccagctt catcccatca cagctgatcc 1380  
ccccacgcgc caaccccgtc accagtgcag tggcctcggc cgcaggggccc accactccat 1440  
cccagcgctc ccagctggag gcctattcca ctctgctggc caacatgggc agtctgagcc 1500  
agacgccggg acacaaggct gagcagcagc agcagcagca gcagcagcag cagcagcagc 1560  
atcagcatca gcagcagcag cagcagcagc agcagcagca gcagcagcag cagcacctca 1620  
gcagggtccc ggggctcatc accccggggt cccccccacc agcccagcag aaccagtagc 1680  
tccacatttc cagttctccg cagaacaccg gccgcaccgc ctctcctccg gccatccccg 1740  
tccacctcca cccccaccag acgatgatcc cacacacgct caccctgggg cccccctccc 1800  
aggtcgtcat gcaatacgcc gactccggca gccactttgt ccctcgggag gccaccaaga 1860  
aagctgagag cagccggctg cagcaggcca tccaggccaa ggaggctctg aacggtgaga 1920  
tggaagaag cggcggttac ggggccccgt cctcagccga cctgggcttg ggcaaggcag 1980  
gcggcaagtc ggttcctcac ccgtacgagt ccaggcacgt ggtggtccac ccgagccct 2040  
cagactacag cagtcgtgat ccttcggggg tccgggcctc tgtgatggte ctgcccaaca 2100  
gcaacacgcc cgcagctgac ctggagggtg aacaggccac tcatcgtgaa gcttccccct 2160  
ctacctcaa cgacaaaagt ggctgcatt tagggaagcc tggccaccgg tctacgcgc 2220  
tctcacccca cacggtcatt cagaccacac acagtgttcc agagccactc ccggtgggac 2280  
tgccagccac ggccttctac gcagggactc aacccctgt catcggtac ctgagcggcc 2340  
agcagcaagc aatcacctac gccggcagcc tgcccagca cctggtgatc cccggcacac 2400  
agccctgct catcccggtc ggcagcactg acatggaagc gtcgggggca gcccggcca 2460  
tagtcacgtc atccccccag tttgctgcag tgctcacac gttcgtcacc accgcccttc 2520  
ccaagagcga gaacttcaac cctgaggccc tggtcacca ggccgcctac ccagccatgg 2580  
tgcaggccca gatecacctg cctgtggtgc agtcctggc ctccccggcg gcggtcccc 2640  
ctacgtgccc tccctacttc atgaaaggct ccatcatcca gttggccaac ggggagctaa 2700

09873367.060501

agaaggtgga	agacttaaaa	acagaagatt	tcatccagag	tgagagata	agcaacgacc	2760
tgaagatcga	ctccagcacc	gtagagagga	ttgaagacag	ccatagcccc	ggcgtggccg	2820
tgatacagtt	cgccgtcggg	gagcaccgag	cccaggtcag	cgttgaagtt	ttggtagagt	2880
atcctttttt	tgtgttttga	cagggctggt	catcctgctg	tccggagaga	accagccagc	2940
tctttgattt	gccgtgttcc	aaactctcag	ttggggatgt	ctgcatctcg	cttaccctca	3000
agaacctgaa	gaacggctct	gttaaaaagg	gccagccccg	ggatccccgc	agcgtcctgc	3060
tgaagcactc	aaaggccgac	ggcctggcgg	gcagcagaca	caggtatgcc	gagcaggaaa	3120
acggaatcaa	ccaggggagt	gcccagatgc	tctctgagaa	tggcgaactg	aagtttccag	3180
agaaaatggg	attgcctgca	gcgccccttc	tcaccaaagt	agaacccagc	aagccccgcg	3240
caacgaggaa	gaggagggtg	tcggcgccag	agagccgcaa	actggagaag	tcagaagacg	3300
aaccaccttt	gactcttctc	aagccttctc	taattcctca	ggagggttaag	atttgcattg	3360
aaggccgggtc	taatgtaggc	aagtagaggc	agcgtggggg	aaaggaaaacg	tggctctccc	3420
ttatcatttg	tatccagatt	actgtactgt	aggctaaaat	aacacagtat	ttacatgtta	3480
tcttcttaat	tttaggtttc	tgttctaacc	ttgtcattag	agttacagca	ggtgtgtcgc	3540
aggagactgg	tgcatatgct	ttttccacga	gtgtctgtca	gtgagcgggc	gggaggaagg	3600
gcacagcagg	agcggtcagg	gctccaggca	tccccgggga	agaaaggaac	ggggcttcac	3660
agtgcctgcc	ttctctagcg	gcacagaagc	agccgggggc	gctgactccc	gctagtgtca	3720
ggagaaaagt	cccgtgggaa	gagtcctgca	gggggtgcag	gttgcacgca	tgtgggggtg	3780
cacaggcgct	gtggcgccga	gtgagggtct	ctttttctct	gcctccctct	gcctcactct	3840
cttgctatcg	gcatgggccc	ggggggttca	gagcagtgtc	ctcctggggg	tcccacgtgc	3900
aaaatcaaca	tcaggaaccc	agcttcaggg	catcgcgagg	acgcgtcaga	tggcagattt	3960
ggaaagttaa	ccatttaaaa	gaacattttt	ctctccaaca	tattttacaa	taaaagcaac	4020
ttttaattgt	atagatatat	atttccccct	atggggcctg	actgcactga	tatatatttt	4080
ttttaagag	caactgccac	atgcgggatt	tcatttctgc	tttttactag	tgacgcgatg	4140
tcaccagggt	gttgtggtgg	acagggaagc	ccctgctgtc	atggccccac	atggggtaag	4200
gggggttggg	ggtgggggag	agggagagag	cgaacacca	cgctgggttc	tgtgcagtgt	4260
taggaaaacc	aatcagggtta	ttgcattgac	ttcactccca	agaggtagat	gcaaactgcc	4320
cttcagttag	agcaacagaa	gctcttcacg	ttgagtttgc	gaaatctttt	tgtctttgaa	4380
ctctagtact	gtttatagtt	catgactatg	gacaactcgg	gtgccacttt	tttttttttc	4440
agattccagt	gtgacatgag	gaattagatt	ttgaagatga	gcatatatta	ctatctttaa	4500
gcatttaaaa	atactgttca	cactttatta	ccaagcatct	tgggtctctca	ttcaacaagt	4560
actgtatctc	acttttaact	ctttggggaa	aaaacaaaaa	caaaaaaaac	taagttgcct	4620
tctttttttc	aacactgtaa	ctacattttc	gctctgcaga	attgctgaag	agcaagatat	4680
tgaaagtttc	aatgtggttt	aaagggatga	atgtgaatta	tgaactagta	tgtgacaata	4740
aatgaccacc	aagtactacc	tgacgggagg	cacttttcac	tttgatgtct	gagaatcagt	4800
tcaaggcata	tgagaggttg	gcagagaaac	tgagagaaaa	gggatggaga	agagaatact	4860
cattttttgtc	cagtgttttt	cttttttaaga	tgaactttta	aagaaccttg	cgatttgcac	4920
atattgagtt	tataacttgt	gtgatattcc	tgagtttttt	atccaataac	atttgtggaa	4980
aggtttgggg	gactgaacga	gcataaataa	atgtagcaaa	atttctttct	aacctgccta	5040
aactctaggc	catttttataa	ggttatgttc	ctttgaaaat	tcattttggt	ctttttacca	5100
catctgtcac	aaaaagccag	gtcttagcgg	gctcttagaa	actctgagaa	ttttcttcag	5160
attcattgag	agagttttcc	ataaagacat	ttatatatgt	gagcaagatt	ttttttaaac	5220
aattacttta	ttattgttgt	tattaatgtt	attttcagaa	tggctttttt	tttctattca	5280
aaatcaaate	gagattttaat	gtttggtaca	aaccagaaaa	gggtattttca	tagtttttaa	5340
acctttcatt	cccagagatc	cgaaatatca	tttggtgggt	ttgaatgcat	ctttaaagtg	5400
ctttaaaaaa	aagttttata	agtagggaga	aatttttaaa	tattcttact	tggatggctg	5460
caactaaact	gaacaaatac	ctgacttttc	ttttacccca	ttgaaaatag	tactttcttc	5520
gtttcacaaa	ttaaaaaaaa	aatctggtat	caaccacat	tttggtgtgc	tagtattcat	5580
ttacatttag	ggttcaccag	gactaatgat	ttttataaac	cgttttctgg	ggtgtaccaa	5640
aaacatttga	ataggttttag	aatagctaga	atagttcctt	gactttcctc	gaatttcatt	5700
acctctcag	catgcttgca	gagagctggg	tgggctcatt	cttgagtgca	tactgcttat	5760
ttagtgtgt	atttttttaa	cgtttctgtt	cagagaactt	gcttaatctt	ccatatattc	5820
tgctcagggc	acttgcaatt	attaggtttt	gtttttcttt	ttgtttttta	gcctttgatg	5880
gtaagaggaa	tacgggctgc	cacatagact	ttgttctcat	taatatcact	atttacaact	5940

catgtggact	cagaaaaaca	cacaccacct	tttggcttac	ttcagagtatt	gaattgactg	6000
gatccactaa	accaacacta	agatgggaaa	acacacatgg	tttggagcaa	taggaacatc	6060
atcataatct	ttgtgggtct	atttcaggta	taggaattat	aaaataattg	gttctttcta	6120
aacacttgct	ccatttcatt	ctcttgcttt	tttagcatgt	gcaatacttt	ctgtgccaat	6180
agagtctgac	cagtgtgcta	tatagttaaa	gctcattccc	ttttggcttt	ttccttggtt	6240
ggttgatctt	ccccattctg	gccagagcag	ggctggaggg	aaggagccag	gaggagagaga	6300
gctccacc	tttccctgc	tgcggatgct	gagtgtggg	gcggggagcc	ttcaggagcc	6360
ccgtgctct	gccgccacgt	tgcagaaaga	gccagccaag	gagaccggg	ggaggaaccg	6420
cagtgtcccc	tgtcaccaca	cggaaatagt	aatgtggagt	gtggagagga	aggaggcaga	6480
ttcattttcta	agacgcactc	tggagccatg	tagcctggag	tcaaccattt	ttccacggtc	6540
ttttctgcaa	gtgggcaggc	ccctcctcgg	ggtctgtgtc	cttgagactt	ggagccctgc	6600
ctctgagcct	ggacgggaag	tgtggcctgt	tgtgtgtgtg	cgttctgagc	gtgttggcca	6660
gtggctgtgg	aggggaccac	ctgccacca	cggtcaccac	tcccttggtg	cagctttctc	6720
ttcaaatagg	aagaacgcac	agagggcagg	agcctcctgt	ttgcagacgt	tggcggggccc	6780
cgaggctccc	agagcagcct	ctgtcaccgc	ttctgtgtag	caaacattaa	cgatgacagg	6840
ggtagaaatt	cttcgggtgcc	gttcagctta	caaggatcag	ccatgtgcct	ctgtactatg	6900
tccactttgc	aatattttacc	gacagccgtc	ttttgttctt	tctttcctgt	tttccatttt	6960
taaactagta	acagcaggcc	ttttgcgttt	acaatggaac	acaatcacca	agaaattagt	7020
cagggcgaaa	agaaaaaaat	aatactatta	ataagaaacc	aacaaacaag	aacctctctt	7080
tctagggatt	tctaaatata	taaaatgact	gttccttaga	atgtttaact	taagaattat	7140
ttcagtttgt	ctgggccaca	ctggggcaga	ggggggaggg	agggatacag	agatggatgc	7200
cacttacctc	agatctttta	aagtggaaat	ccaaattgaa	ttttcatttg	gactttcagg	7260
ataattttct	atgtttggtca	acttttcgtt	ttccctaact	caccagtttt	agtttgggat	7320
gatttgattt	ctgtttgtgt	tgtatccatt	tctaacttgg	aattgtgagc	ctctatgttt	7380
tctgttaggt	gagtgtgttg	ggttttttcc	ccccaccagg	aagtggcagc	atccctcctt	7440
ctccctaaa	gggactctgc	ggaacctttc	acacctcttt	ctcagggacg	gggcagggtg	7500
gtgtgtggta	cactgacgtg	tccagaagca	gcactttgac	tgtctggag	tagggttgta	7560
caatttcaag	gaatgttttg	atttcctgca	tcttgtggat	tactccttag	ataccgcata	7620
gattgcaata	taatgctgca	tgttcaagat	gaacagtagc	tcctagtaat	cataaaatcc	7680
actctttgca	cagtttgatc	tttactgaaa	tatgttgcca	aaatttatatt	ttgttgttgt	7740
agctctggat	tttgttttgt	tttgtttttt	aaggaaacga	ttgacaatac	cctttaacat	7800
ctgtgactac	taaggaaacc	tatttccttc	atagagagaa	aaatctccaa	tgcttttgaa	7860
gacactaata	ccgtgctatt	tcagatatgg	gtgaggaagc	agagctctcg	gtaccgaagg	7920
ccgggcttct	tgagctgtgt	tggttgtcat	ggctactgtt	tcatgaacca	caagcagctc	7980
aacagactgg	tctgttgctt	tctgaaaccc	tttgcacttc	aatttgcacc	aggtgaaaac	8040
agggccagca	gactccatgg	cccaattcgg	tttcttcggg	ggtgatgtga	aaggagagaa	8100
ttacactttt	ttttttttta	agtggcgtgg	aggcctttgc	ttccacattt	gtttttaacc	8160
cagaattttct	gaaatagaga	atttaagaac	acatcaagta	ataaatatac	agagaatata	8220
ctttttttata	aagcacatgc	atctgctatt	gtgttgggtt	ggtttcctct	cttttccacg	8280
gacagtgttg	tgtttctggc	atagggaaac	tccaaacaac	ttgcacacct	ctactccgga	8340
gctgagattt	cttttacata	gatgacctcg	cttcaaatac	gttaccttac	tgatgatagg	8400
atcttttctt	gtagcactat	accttgtggg	aatttttttt	taaatgtaca	cctgatttga	8460
gaagctgaag	aaaacaaaaat	tttgaagcac	tcacttttag	gagtacaggt	aatgttttaa	8520
aaaattgcac	aaaagaaaaa	tgaatgtcga	aatgattcat	tcagtgtttg	aaagatatgg	8580
ctctgttgaa	acaatgagtt	tcatactttg	tttgtaaaaa	aaaaaagcag	agaagggttg	8640
aaagttacat	gtttttttgt	atatagaaat	ttgtcatgtc	taaatgatca	gatttgtatg	8700
gttatggcct	ggaagaatta	ctacgtaaaa	ggctcttaaa	ctatacctat	gcttattgtt	8760
atttttgtta	catatagccc	tgtctgagg	gaggggaact	cggatttctg	cgatttgaga	8820
atactgttca	ttcctatgct	gaaagtactt	ctctgagctc	ccttcttagt	ctaaactctt	8880
aagccattgc	aacttctttt	tcttcagaga	tgatgtttga	cattttcagc	acttctgtt	8940
cctataaacc	caaagaatat	aatcttgaac	acgaagtgtt	tgtaacaagg	gatccaggct	9000
accaatcaaa	caggactcat	tatggggaca	aaaaaaaaaa	aaattatttc	accttctttc	9060
ccccacacc	tcattttaat	ggggggagta	aaaacatgat	ttcaatgtaa	atgcctcatt	9120
ttatttttagt	tttattttga	ttttatttta	atataaagag	gccagaataa	atacggagca	9180

tcttctcaga	atagtattcc	tgtccaaaaa	tcaagccgga	cagtggaaac	tggacagctg	9240
tggggatatt	aagcaccccc	acttacaatt	cttaaattca	gaatctcgtc	ccctcccttc	9300
tcgttgaagg	caactgttct	ggtagctaac	tttctcctgt	gtaatggcgg	gagggaacac	9360
cggcttcagt	ttttcatgtc	cccatgactt	gcatacaaat	ggttcaactg	tattaaaatt	9420
aagtgcattt	ggccaatagg	tagtatctat	acaataacaa	caatctctaa	gaatttccat	9480
aacttttctt	atctgaaagg	actcaagtct	tccactgcag	atacattgga	ggcttcaccc	9540
acgttttctt	tcccttttagt	ttgtttgctg	tctggatggc	caatgagcct	gtctcctttt	9600
ctgtggccaa	tctgaaggcc	ttcgttggaa	gtgttgttca	cagtaatcct	taccaagata	9660
acatactgtc	ctccagaata	ccaagtatta	ggtgacacta	gctcaagctg	ttgtcttcag	9720
agcagttacc	aagaagctcg	gtgcacaggt	tttctctggg	tcttacagga	accacctact	9780
ctttcagttt	tctggcccag	gagtggggta	aatccttttag	ttagtgcatt	tgaacttggt	9840
acctgtgcat	tcagttctgt	gaatactgcc	ctttttggcg	gggtttcctc	atctccccag	9900
cctgaactgc	tcaactctaa	acccaaatta	gtgtcagccg	aaaggagggt	tcaagatagt	9960
cctgtcagta	tttgtgggtga	ccttcagatt	agacagctct	catttccagc	cagtggagtc	10020
ctggctccag	agccatctct	gagactccgt	actactggat	gttttaatat	cagatcatta	10080
cccaccatat	gcctcccaca	ggccaaggga	aaacagacac	cagaacttgg	gttgagggca	10140
ctaccagact	gacatggcca	gtacagagga	gaactaggga	aggaatgatg	ttttgcacct	10200
tattgaaaag	aaaatttttaa	gtgcatacat	aatagtttaag	agcttttatt	gtgacaggag	10260
aacttttttc	catatgcgtg	catactctct	gtaattccag	tgtaaaatat	tgtacttgca	10320
ctagcttttt	taaacaaata	ttaaaaaatg	gaagaattca	tattctatct	tctaactcgtg	10380
gtgtgtctat	ttgtaggata	cactcgagtc	tgtttattga	attttatggt	ccctttcttt	10440
gatggtgctt	gcagggttttc	taggtagaaa	ttatttccatt	attataataa	aacaatgttt	10500
gattcaaaat	ttgaacaaaa	ttgtttttaa	taaattgtct	gtataccagt	acaagtttat	10560
tgtttcagta	tactcgtact	aataaaaata	cagtgcgaat	tgcaaaaaaa	aaaaaaaaaa	10620
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa			10660

<210> 313  
 <211> 1008  
 <212> DNA  
 <213> Homo sapiens

<400> 313						
cccgaatttt	ccggctcgaa	tgcccggcag	ccgtggcggc	tagagcgttc	ctccccagct	60
cgaatgcccg	gcggcgaggc	ggctagagcg	tcgcctcctc	ccgggggaacc	gcgtgtgacc	120
ttccagcccg	cggaccgatg	ctgccggcgg	ccgctcgccc	cctgtggggg	ccttgccttg	180
ggcttcgggc	cgctgcgttc	cgccttgcca	ggcgacaggt	gccatgtgtc	tgtaccgtgc	240
gacatatgag	gagcagcggc	catcagaggt	gtgaggccct	cgctggtgca	cccctggata	300
acgcccccaa	ggagtacccc	cccaagatac	agcagctggt	ccaggacatc	gccagcctca	360
ctctcttgga	aatctcagac	ctcaacgagc	tcctgaagaa	aacgttgaag	atccaggatg	420
tcgggcttgt	gccgatgggt	ggtgtgatgt	ctggggctgt	ccctgctgca	gcagcccagg	480
aggcgggtga	agaagatatc	cccatagcga	aagaacggac	acatttcacc	gtccgcctga	540
ccgaggcgaa	gcccgtggac	aaagtgaagc	tgatcaagga	aatcaagaac	tacatccaag	600
gcatcaacct	cgtccaggca	aagaagctgg	tggagtccct	gccccaggaa	atcaaagcca	660
atgtcgccaa	agctgaggcg	gagaagatca	aggcggccct	ggaggcgggtg	ggcggcaccg	720
tgggtctgga	gtagcctcca	gctcggagga	cttgtgttca	ggggtcctgg	gccccggcga	780
gggtcccgccc	tcccgtggtc	actggctccg	cccccagcac	caggcgccca	gtggagccgt	840
ttggggagaat	tgccctgcgc	acgcagcggg	ccggacaggc	cgcacagacc	tactgtggcg	900
ggagggaggg	gcggtgctg	cctggtgacg	gcaccgggaa	gcccaccagg	acgcgccacc	960
ggtcaatgtg	cctctggtgg	ctgctgagaa	aaatacactg	tgcagctc		1008

<210> 314  
 <211> 3701

<212> DNA  
<213> Homo sapiens

<400> 314  
 cggaatcat cctagtaata aagtgaatc agaccacaa cgaatgaatg aacagccacg 60  
 tcagcttttc caaagctcat gaacactgga aaacaacata cgtttggtga aacagagagt 120  
 gtaagatatg tctaccagcc tatggagaaa ctgtatatgg tactgatcac taccaaaaac 180  
 agcaacattt tagaagattt ggagacccta aggcctctct caagagtgat ccctgaatat 240  
 tgccgagcct tagaagagaa tgaaatatct gagcactgtt ttgatttgat ttttgctttt 300  
 gatgaaattg tcgcactggg ataccgggag aatgttaact tggcacagat cagaaccttc 360  
 acagaaatgg attctcatga ggagaagggt ttccagagccg tcagagagac tcaagaacgt 420  
 gaagctaagg ctgagatgcg tcgtaaagca aaggaattac aacaggcccg aagagatgca 480  
 gagagacagg gcaaaaaagc accaggattt ggcggatttg gcagctctgc agtatctgga 540  
 ggcagcacag ctgccatgat cacagagacc atcattgaaa ctgataaacc aaaagtggca 600  
 cctgcaccag ccaggccttc aggccttcag aaggctttta aacttggagc caaaggaaaag 660  
 gaagtagata actttgtgga caaattaaaa tctgaagggt aaaccatcat gtcctctagt 720  
 atgggcaagc gtacttctga agcaaccaa atgcatgctc caccattaa tatggaaagt 780  
 gtacatatga agattgaaga aaagataaca ttaacctgtg gacgagacgg aggattacag 840  
 aatatggagt tgcattggcat gatcatgctt aggatctcag atgacaacta tggccgaatt 900  
 cgtcttcatg tggaaaatga agataagaaa ggggtgcagc tacagacca tccaaatgtg 960  
 gataaaaaac ttttctctgc agagtctcta attggcctga agaattcaga gaagtcat 1020  
 ccagtcacaa gtgacgtagg ggtgctaaag tggagactac aaaccacaga ggaatctttt 1080  
 attccactga caatttaatt ctggccctcg gagagtggaa atggctgtga tgtcaacata 1140  
 gaatatgagc tacaagaaga taatttagaa ctgaatgatg tggttatcac catccactc 1200  
 ccgtctgggt tgggcgcgcc tgttatcggt gagatcgatg gggagtatcg acatgacagt 1260  
 cgacgaaata ccctggagtgt gtgcctgcct gtgattgatg ccaaaaataa gaggggcagc 1320  
 ctggagttta gcattgtctg gcagcccaat gacttcttcc ctgttcaagt ttcctttgtc 1380  
 tccaagaaaa attactgtaa catacagggt accaaagtga cccaggtaga tggaaacagc 1440  
 cccgtcaggt tttccacaga gaccactttc ctagtggata agtatgaaat tctgtaatac 1500  
 caagaagagg gagctgaaaa ggaattttt cagattaata aagaagacgc caatgatggc 1560  
 tgaagagttt tttccagatt tacaagccac tggagacccc ttttttctga tacaatgcac 1620  
 gattctctgc gcgcaaggac cctcgactca ccccatgtt tcagtgtcac agagacattc 1680  
 tttgataaag aaattggcaca aacataaagg gaaaggctgc taattttctt tggcagattg 1740  
 tattggccag caggaaagca agctctccag agaatgcccc cagttaaata cctcctctac 1800  
 ctttacctaa gttgctcctt tatttttatt ttattattat tattattatt attatttttt 1860  
 gagatggagt ctccactttgt aaccagggtt ggaatgcaat ggcattgatc cagctcactg 1920  
 caacctccgc ctccctgggt caagcaagtc tcctgcctca gcctccgagt agctgggact 1980  
 acagggtcac gccaccacgc ctggctaatt ttttgtattt tagtagagac ggggtttcac 2040  
 cgtgttgccc aggtcgggtc cgaactcctg agctcaggca atccgcccac ctccagcctc 2100  
 caaagtgttg ggattacagg catgagccac catgcccagc tgctccttta ttttaattcc 2160  
 taaatataat ccctaaatat agttatatat catacttagt ttgtttttta aaagttttct 2220  
 ctgtagaaaa ttttaatcat tcataccctt taccttttag ttttctttt tatacattca 2280  
 gtcaggcact gggatcatct gtttacaggc atttatattt tttggcactc ctggaacaag 2340  
 tatacttaac ccattcttga tttttggact attcagggtg actatttgag ggggtatggg 2400  
 tctagaagtt aaaagatacg catgtcttct rttcttttcc cgtatcaatt cattccttca 2460  
 tctctttgcc aagttgtttt cttttcaggg cctgtccttc cagtttagaa cagtaccatg 2520  
 aatccacttt gtgtcaatat taaagatagc tgagaagcac ctttcaaagc gcacagtc 2580  
 tcttcaagat gtctaaaaga atggttatgt ctgtccagtt agggatttca catccacatg 2640  
 taatcatgtc tgctgctgtt gctacccaaa ttttcatttc tccacatttt gggacttaa 2700  
 gctaaaacgt aatggccaca gtctgtaate cattcacatt cctcagtttc accacctccc 2760  
 tcttcagac tgactctct gtcatcagtc cctcctttt taacagaaat ggggttatga 2820  
 ttttgaaggc tgtgggttca gggagtcttt gccaatcctg ttggccctaa actatcaagg 2880  
 aggtccatt tcaccatttg attttttgca tttcaggagg caactgattg tttcgatatg 2940  
 tacatattac tcacgtatac cccatttctt tccagtcagc ccaacatttt ccaccagtct 3000

09873367.050501

gtccccatct	ctgaaatcct	tccttctctt	tccccctaag	tcttttgagt	gtcatcatgt	3060
actgggtggt	tctcggttcc	atctcatcca	tttctttt	aatggagact	acagcgtcag	3120
ccagctcagc	cttggctttt	aactcaatat	tccagtcct	aggggtggt	aaaagttgct	3180
gcaaggctgc	aggcactggc	agtgggaaga	ggcagacgac	tagatgactt	ctgcactttt	3240
agctggttga	aaagtaccac	tcccactctg	aacatctggc	cgtccctgca	aagagtgtac	3300
tgtgcttgaa	gcagagcact	cacacataaa	tggctgtgtg	tgggaattgct	tgccaaagaa	3360
gtttctagcc	tttccctttc	ccctaactgc	atcaggggaag	aattcttctc	tctagcttgg	3420
tttccacatg	agggtttttc	gagaagggtc	tgggacaaga	agtctgtcat	gttagttaag	3480
caggcaagaa	atcctactaa	tccagttttg	tttgaaagtt	gtttgtccgt	atgatttttt	3540
aaaagtcaag	tttaatttca	aaaaaccttt	tttttctgag	attacttttg	gggtaatat	3600
taaaatgaga	gacattttgt	aaccctgtaa	aatacatagg	gaatataaca	ttccagtgt	3660
tacaaagaag	gcaaattcca	aaaaaaaaaa	aaaaaaaaaa	a		3701

<210> 315  
<211> 1530  
<212> DNA  
<213> Homo sapiens

<400> 315						
aattaaatgg	acaacaccgt	tagatgtgta	tgtaaaaatt	ttctgtttca	tatttttctc	60
ttcactttcg	gtttagaaca	tgctatatgt	actgtatgtc	ctgtggccca	gtgcggtccc	120
acagcatgga	atctgatgta	tgatatgata	gaatgtggca	ctaaatgcag	tttcagattt	180
tattttttta	atcatatgaa	ctaaaattgt	caattgtgag	ttgtgctttc	tcatcatggt	240
ggttatattg	cacaattggt	tatatattatg	acctgatatt	caaagactct	ggcattgata	300
gccagtgtgt	tttcttattt	aactccgttt	actaatctct	acatgggtgt	tacgtgatcc	360
acacttgaaa	tactagatca	gtagacattc	actaatatac	caaaataaaa	tgaaaaattg	420
agtttttccg	tgaactttat	actgtccagc	tctgttgatt	ttaaagcttc	ttcatccagg	480
tcagttcagg	aagtatatct	ggagtacctg	gctctgtttt	tggctgtgag	actagcacta	540
aggattctgg	tacctttacc	caaacctact	gggctactaa	tacttctctc	agcagttgaa	600
tcaaatacaa	tagaccatgt	aagctggggc	cgtcatcca	cttcagttt	gctgggtctcc	660
ctgctagaag	acacattgta	ctgtgctttt	tctggaattc	acgataatgg	catcactgcc	720
tgtttttcac	atcttttgtt	tctgtttcat	tttaaggaaa	cctactaaat	ccagtttaata	780
ttaaatggac	accactcatt	aagaaatttc	tttatggctt	ctgcctgaat	acttaaaatg	840
ccttactaca	gttatccagt	tgacatgttt	tttaattcata	taaggatat	tgggtatatt	900
gaagtatata	ttgtattaca	aagacttggt	cttgatattt	aaaatgtcag	tgcaaaaaat	960
atatgggtga	acctttcttt	aaagttgaaa	tgcagtatta	tttaaactctg	aaaggttaaa	1020
aagctttctt	caccttatat	atgttcttcc	actgtgactt	tttagttgaa	gactagtaaa	1080
ttaaactttt	gttagaagat	gcctactgct	tttgttgttt	attttaatca	gcagagcaca	1140
gagacacata	aaaactctgg	gaaatgacta	ggataaaaaat	atcagtatgt	atctgtttta	1200
gatattttga	gttttgcttt	ttttatgcct	tgaatatattt	atttcaaaaa	gtatctgaag	1260
caaattctca	gactgaacta	cttcttagac	ctcactgtaa	gaatatattta	ttcaatgtct	1320
catttatgat	agatttgcaa	gctgctcatt	tttgaacagc	tttttgcatg	ggataggagc	1380
atgtctattc	taacacatca	gcttattcaa	aagcaagaat	tttaaaaaata	agataaatgt	1440
aaagttgttt	tataaacgat	cctgttaatt	aaaccacaga	caccatatat	ccttctgcat	1500
cctttggcca	ataaaagttg	ctggagaacc				1530

<210> 316  
<211> 3461  
<212> DNA  
<213> Homo sapiens

<400> 316



ggagcgcccc	gctgcgctgg	agccgccccg	agctaggggc	tccccggggc	gcaggagaga	60
cgtttcagag	cccttgccct	cttcaccatg	ccggttgccg	ccaccaactc	tgaaactgcc	120
atgcagcaag	tcctggacaa	cttgggatcc	ctccccagt	ccacgggggc	tgagagctg	180
gacctgatct	tccttcgagg	cattatggaa	agtcccatag	taagatccct	ggccaaggtg	240
ataatggtat	tgtggtttat	gcagcagaat	gtctttgttc	ctatgaaata	catgctgaaa	300
tactttgggg	cccatgagag	gctggaggag	acgaagctgg	aggccgtgag	agacaacaac	360
ctggagctgg	tgaggagat	cctgcgggac	ctggcgagc	tggctgagca	gagcagcaca	420
gccgccgagc	tggcccacat	cctccaggag	ccccacttcc	agtcctcct	ggagacgcac	480
gactctgtgg	cctcaaagac	ctatgagaca	ccacccccca	gccctggcct	ggacctacg	540
ttcagcaacc	agcctgtacc	tcccgatgct	gtgcgcatgg	tgggcatccg	caagacagcc	600
ggagaacatc	tgggtgtaac	gttcgcgctg	gagggcgggc	agctggtgat	cgcgcgcatt	660
ctgcatgggg	gcatggtggc	tcagcaaggc	ctgctgcatg	tgggtgacat	catcaaggag	720
gtgaacgggc	agccagtggg	cagtgacccc	cgcgcactgc	aggagctcct	gcgcaatgcc	780
agtggcagt	tcatectcaa	gatcctgccc	aactaccagg	agccccatct	gccccgccag	840
gtatttgtga	aatgtcactt	tgactatgac	ccggcccag	acagcctcat	cccctgcaag	900
gaagcaggcc	tgcgcttcaa	cgccggggac	ttgctccaga	tcgtaaacca	ggatgatgcc	960
aactggtggc	aggcatgcca	tgtcgaagg	ggcagtgtct	ggctcattcc	cagccagctg	1020
ctggaggaga	agcggaaagc	atttgtcaag	agggacctgg	agctgacacc	aaactcaggg	1080
accctatgcg	gcagcctttc	aggaaaagaa	aagaagcgaa	tgatgtattt	gaccaccaag	1140
aatgcagagt	ttgaccgtca	tgagctgtct	atttatgagg	aggtggcccg	catgcccccg	1200
ttccgcggga	aaacctgggt	actgattggg	gctcagggcg	tgggacggcg	cagcctgaag	1260
aacaagctca	tcagtgtgga	tcagatcgct	tatggcacca	cgggtgccct	cacctcccg	1320
cggccgaaag	actcagagcg	ggaaggctcag	ggttacagct	ttgtgtccc	tggggagatg	1380
gaggctgacg	tccgtgctgg	gcgctacctg	gagcatggcg	aatacagagg	caacctgtat	1440
ggcacacgta	ttgactccat	ccggggcgct	gtcgctgctg	ggaagggtgt	cgtgctggat	1500
gtcaaccccc	aggcggtgaa	ggtgctacga	acggccgagt	ttgtccctta	cgtggtgttc	1560
atcgaggccc	cagacttcga	gacctgctgg	gccatgaaca	gggctgcgct	ggagagtggg	1620
atatccacca	agcagctcac	ggaggcggac	ctgagacgga	cagtggagga	gagcagccgc	1680
atccagcggg	gctacgggca	ctactttgac	ctctgcctgg	tcaatagcaa	cctggagagg	1740
accttcgcgc	agctccagac	agccatggag	aagctacgga	cagagcccca	gtgggtgcct	1800
gtcagctggg	tgtactgagc	ctgttcacct	ggtccttggc	tactctgtgt	ttgaaacca	1860
gaacctgaat	ccatccccct	cctgacctgt	gacccccctg	cacaatcctt	agcccccata	1920
tctggtgtgc	cttgggtaac	agctcccagc	aggccctaag	tctggcttca	gcacagaggc	1980
gtgcactgcc	agggagggtg	gcattcatgg	ggtaccttgt	gccaggtgct	tgccactcc	2040
tgatgcccat	tggtcaccag	atatctctga	gggccaagct	atgccagga	atgtgtcaga	2100
gtcacctcca	taatggtcag	tacagagaag	agaaaagctg	ctttgggacc	acatggtcag	2160
taggcacact	gccccctgcc	acccctcccc	agtcaccagt	tctcctctgg	actggccaca	2220
cccaccccat	tcctggactc	ctcccacctc	tcacctctgt	gtcggaggaa	caggccttgg	2280
gctgtttccg	tgtgaccagg	ggaatgtgtg	gcccgcctgg	agccaggcag	gcccgggtgg	2340
tggtgccagc	ctggtgccat	cttgaaggct	ggaggagtca	gagtgagagc	cagtggccac	2400
agctgcagag	cactgcagct	cccagctcct	ttggaaaggg	acagggtcgc	agggcagatg	2460
ctgctcggtc	cttccctcat	ccacagcttc	tcactgccga	agtttctcca	gatttctcca	2520
atgtgtcctg	acaggctcagc	cctgctcccc	acagggccag	gctggcaggg	gccagtgggt	2580
tcagcccagg	taggggcagg	atggagggtc	gagccctgtg	acaacctgct	gttaccact	2640
gaagagcccc	aagctctcca	tggcccacag	caggcacagg	tctgagctct	atgtccttga	2700
ccttgggtcca	tttggttttc	tgtctagcca	ggtccaggta	gccacttgc	atcagggtctg	2760
ctgggttgga	ggggctaagg	aggagtgcag	aggggacctt	gggagcctgg	gcttgaaggga	2820
cagttgccct	ccaggagggt	cctcacacac	aactccagag	gcgccattta	cactgtagtc	2880
tgtacaacct	gtggttccac	gtgcatgttc	ggcacctgtc	tgtgcctctg	gcaccagggt	2940
gtgtgtgtgt	gcgtgtgcac	gtgcgtgtgt	gtgtgtgtgt	gtcaggttta	gtttggggag	3000
gaaccaaagg	gttttgtttt	ggaggctact	ctttggggcc	cctttctggg	ggttccccat	3060
cagccctcat	ttcttataat	accctgatcc	cagactccaa	agccctggtc	ctttcctgat	3120
gtctcctccc	ttgtcttatt	gtccccctac	cctaaatgcc	cccctgccat	aacttgggga	3180
gggcagtttt	gtaaaatagg	agactccctt	taagaaagaa	tgctgtccta	gatgtacttg	3240

ggcatctcat	ccttcattat	tctctgcatt	ccttccgggg	ggagcctgtc	ctcagagggg	3300
acaacctgtg	acacctgag	tccaaacct	tgtgcctccc	agttcttcca	agtgtctaac	3360
tagtcttcgc	tgcagcgtca	gccaaagctg	gccctgaac	cactgtgtgc	ccatttccta	3420
gggaagggga	aggagaataa	acagaatatt	tattacaaaa	a		3461

<210> 317  
 <211> 925  
 <212> DNA  
 <213> Homo sapiens

<400> 317						
gaattccaag	atcctggcct	gtgcagctcg	ggtttccgag	cttctgcctc	aggcatctcc	60
gcgatctcct	ctcccctcca	atcctatccg	tgatggacga	tgcccacgag	tcgccctccg	120
acaaaggtgg	agagacaggg	gagtcggatg	agacggccgc	tgtgcccggg	gacccggggg	180
ctaccgacac	cgatggaatc	ccagaggaaa	ctgacggaga	cgcagatgtg	gacttgaaag	240
aagctgcagc	ggaggaaggc	gagctcgaga	gtcaggatgt	ctcagattta	acaacagttg	300
aaaggggaaga	ctcatcatta	cttaatcctg	cagccaaaaa	actgaaaata	gataccaaag	360
aaaagaaaaga	gaaaaagcag	aaagtagatg	aagatgagat	tcagaagatg	caaatcctgg	420
tttcttcttt	ttctgaggag	cagctgaacc	gttatgaaat	gtatcgccgc	tcagctttcc	480
ctaaggcagc	catcaaaagg	ctgatccagt	ccatcactgg	cacctctgtg	tctcagaatg	540
ttgttattgc	tatgtctggt	atttccaagg	ttttcgtcgg	ggaggtggta	gaagaagcac	600
tggatgtgtg	tgagaagtgg	ggagaaatgc	caccactaca	acccaaacat	atgaggggaag	660
ccgttagaag	gttaaagtca	aaaggacaga	tccctaactc	gaagcacaaa	aaaatcatct	720
tcttctagac	caaagtctag	aaaggcctat	gttactgacg	gaagaagtat	tggttccaga	780
cttctataaa	gactgtctgc	attgggtgctt	tagtatctca	ggcctccaag	gattccatga	840
tgattttaat	gtctttctca	aaactctgat	atttgtcaca	cctagaaaagt	atgtagcctg	900
attgatactt	ggcttgacta	aattt				925

<210> 318  
 <211> 1172  
 <212> DNA  
 <213> Homo sapiens

<400> 318						
ctttccggga	gactggagtc	gaaggccgtg	agtattttct	aagccagtgt	ttagagagta	60
tgtgaggcaa	gagtacctat	agaaccggga	ggaggggtgag	gagcagagct	ggccataatg	120
gcaggtgaag	aaattaatga	agactatcca	gtagaaattc	acgagtattt	gtcagcgttt	180
gagaattcca	ttgggtgctgt	ggatgagatg	ctgaagacca	tgatgtctgt	ttctagaaat	240
gagttgttgc	agaagttgga	tccacttgaa	caagcaaaaag	tggatttggt	ttctgcatac	300
acattaaatt	caatgttttg	ggtttatattg	gcaaccgaag	gagttaatcc	taagggaacat	360
ccagtaaaac	aggaattgga	agaatcaga	gtatatatga	acagagtcaa	ggaaataaca	420
gacaagaaaa	aggctggcaa	gctggacaga	ggtgcagctt	caagatttgt	aaaaaatgcc	480
ctctgggaac	caaaatcgaa	aaatgcatca	aaagttgcca	ataaaggaaa	aagtaaaagt	540
taactttttg	gttttgatgt	acacatatcc	aaaaagtaca	ttaatatgta	atcacagtaa	600
tatgtaaagc	taaatacttc	ctctccaaag	atcattatct	ttattgatta	gcactgagga	660
ttttaacatt	gtgatataat	atatatttat	aattttaccat	ctcttgatga	gactcttatt	720
tctttatata	ggtcagtctt	gcaagtacca	ttttataagc	agctgtgaaa	tttaagtga	780
atgttctttg	taaacatttg	tactatttta	aatgaataat	gaccttatga	agtatgctat	840
ctgtaggctg	aaattatagg	tacatctggt	ttcactatat	gatattaaga	aagcgtgaaa	900
tgacttaaat	gttcattttt	ttctgtatag	atactttatc	atgttttcat	gatttttagga	960
attactgctt	tgttgatatt	caaagtgtga	aactaaaagt	ttatggttgt	actttaattc	1020
ttggcatggt	gcctctatgt	cccatttaaa	ataaaataca	ttctcattaa	ctttagatgg	1080

gaaataaggt	tgtatgttga	tggatgaatt	ttggcatgat	gactgtactc	tcaataaagg	1140
ctgaaaatgt	tgtaaaaaaa	aaaaaaaaaa	aa			1172

<210> 319  
 <211> 4237  
 <212> DNA  
 <213> Homo sapiens

<400> 319						
cagctcggtc	gccccaccg	gccccatggc	agcccccgcc	gccccagctg	agtacggcta	60
catccggacc	gtcctgggcc	agcagatcct	gggacaactg	gacagctcca	gcctggcgct	120
gccctccgag	gccaagctga	agctggcggg	gagcagcgcc	cgcgccggcc	agacagtcaa	180
gagcctgcgg	atccaggagc	aggtgcagca	gaccctcgcc	cggaagggcc	gcagctccgt	240
gggcaacgga	aatcttcacc	gaaccagcag	tgttcctgag	tatgtctaca	acctacactt	300
ggttgaaaat	gattttgttg	gaggccgttc	ccctgttcct	aaaacctatg	acatgctaaa	360
ggctggcaca	actgccactt	atgaaggctc	ctggggaaga	ggaacagcac	agtacagctc	420
ccagaagtcc	gtggaagaaa	ggtccttgag	gcacccctct	aggagactgg	agatttctcc	480
tgacagcagc	ccggagaggg	ctcactacac	gcacagcgat	taccagtaca	gccagagaag	540
ccaggctggg	cacaccctgc	accaccaaga	aagcaggcgg	gccgccctcc	tagtgccacc	600
gagatatgct	cgttccgaga	tctgtggggg	cagccgtgct	ggcaccacaa	gcaggcagcg	660
ccactttgac	acataccaca	gacagtacca	gcattggctc	gttagcgaca	ccgtttttga	720
cagcatccct	gccaaccctg	ccctgctcac	gtaccccgag	ccagggacca	gccgcagcat	780
gggcaacctc	tgggagaagg	agaactacct	gacggcaggg	ctcactgtcg	ggcagggtcag	840
gccgctgggt	cccctgcagc	ccgtcactca	gaacagggct	tccaggctct	cctggcatca	900
gagctccttc	cacagcacc	gcacgctgag	ggaagctggg	cccagtgtcg	ccgtggattc	960
cagcgggagg	agagcgcact	tgactgtcgg	ccaggcgggc	gcagggggaa	gtgggaatct	1020
gctcactgag	agaagcactt	tactgactc	ccagctgggg	aatgcagaca	tggagatgac	1080
tctggagcga	gcagtgagta	tgctcgaggc	agaccacatg	ccgccatcca	ggatttctgc	1140
tgacgtact	ttcatacagc	acgagtgtct	ccagaaatct	gaagctcgga	agagggttaa	1200
ccagcttcgt	ggcatcctca	agcttctgca	gctcctaaaa	gttcagaatg	aagacgttca	1260
gcgagctgtg	tgtggggcct	tgagaaactt	agtattttgaa	gacaatgaca	acaaattgga	1320
ggtggctgaa	ctaaatgggg	tacctcggtc	gctccagggt	ctgaagcaaa	ccagagactt	1380
ggagactaaa	aaacaaataa	cagaccatac	agtcaattta	agaagtagga	atggctggcc	1440
gggcgcggtg	gctcacgcct	gtaatcccag	cactttggga	ggccaaggcg	ggcggatcac	1500
gaggtcagga	gttcgagacc	agcctgacca	acatggtttg	ctgtggaatt	tgtcatctaa	1560
tgacaaactc	aagaatctca	tgataacaga	agcattgtct	acgctgacgg	agaatatcat	1620
catccctttt	tctgggtggc	ctgaaggaga	ctacccaaaa	gcaaattggt	tgctcgattt	1680
tgacatatct	tacaacgtca	ctggatgcct	aagaaacatg	agttctgctg	gcgctgatgg	1740
gagaaaagcg	atgagaagat	gtgacggact	cattgactca	ctgggtccatt	atgtcagagg	1800
aaccattgca	gattaccagc	cagatgacaa	ggccacggag	aattgtgtgt	gcattcttca	1860
taacctctcc	taccagctgg	aggcagagct	cccagagaaa	tattcccaga	atatctatat	1920
tcaaaaccgg	aatatccaga	ctgacaacaa	caaaagtatt	ggatgttttg	gcagtccaag	1980
caggaaagta	aaagagcaat	accaggacgt	gccgatgccg	gaggaaaaga	gcaaccccaa	2040
gggcgtggag	tggtctgtgg	attccattgt	tataaggatg	tatctgtcct	tgatcgccaa	2100
aagtgtccgc	aactacacac	aagaagcatc	cttaggagct	ctgcagaacc	tcacggccgg	2160
aagtggacca	atgccgacat	cagtggctca	gacagttgtc	cagaaggaaa	gtggcctgca	2220
gcacaccgga	aagatgctgc	atgttggtga	cccaagtgtg	aaaaagacag	ccatctcgct	2280
gctgaggaat	ctgtcccggg	atctttctct	gcagaatgaa	attgccaaag	aaactctccc	2340
tgattttggt	tccatcattc	ctgacacagt	cccagtagct	gaccttctca	ttgaaactac	2400
agcctctgcc	tgttacacat	tgaacaacat	aatccaaaac	agttaccaga	atgcacgcga	2460
ccttctaaac	accgggggca	tccagaaaat	tatggccatt	agtgcaggcg	atgcctatgc	2520
ctccaacaaa	gcaagtaaag	ctgcttccgt	ccttctgtat	tctctgtggg	cacacacgga	2580
actgcatcat	gcctacaaga	aggctcagtt	taagaagaca	gattttgtca	acagccggac	2640

09873367 060501

tgccaaagcc	taccactccc	ttaaagactg	aggaaaatga	caaagtattc	tcggctgcaa	2700
aaatcccca	aggaaaacac	ctatTTTTct	actaccagc	ccaagaaacc	tcaaaagcat	2760
gccttggttc	tatctttctc	tatttccgtg	gtccctgaa	tccagaaaac	aaatagaaca	2820
taattttatg	agtcttccag	aagacctttg	caagtttgcc	accagtagat	accggccaca	2880
ggctcgacaa	atagtggctc	ttgttattag	ggcttatggc	agatggcttc	ctggaatcaa	2940
aatgtgaatt	catgtggaag	ggacattaat	ccaataaata	aggaaagaag	ctggtgcatt	3000
actgggattt	taaaagtttg	atttacattt	atattccttt	tctgggtccc	atgttttgtc	3060
actcatgtgc	acattgcttc	gccattgggc	ctccagtgtg	ttgttctgca	gtgttgaaac	3120
agaatggaaa	tgacaagaaa	tatctgcagt	tatccaggag	aaagtataat	ggcaaaatta	3180
ttgggtttct	tctttacttt	gtgcttgttt	ttatcccctt	gggtgttttt	ctctgatttt	3240
taaataaaact	taagaaattt	agattacaga	gtatgcatga	ctgtaagaaa	aagaaattga	3300
gaggaagtga	tcatagcaaa	ttaaagaagt	cttttctccc	cagaacttaa	agtaaaataa	3360
aaaataaata	aataaataaa	atcttttcca	cagagaaagg	caactgtgat	gataaaattt	3420
aagctccccc	aacactgagt	caatgagatt	tttctcagga	gatactttac	ctataacaac	3480
gccgttaaat	ccaaatctct	tctaaacgat	ggcattctat	gtaatgcctt	tcctggactt	3540
ttttggccac	tgcttggaat	agtgaagaa	tggactctat	ctttatctgc	aagaggaact	3600
aaggccttct	atcagactgc	ctggccagcc	tggggcactg	aaaatacggc	tcatgttaat	3660
gagttacatt	atcagccagc	ccagccttgc	ccaccattta	agaaatatca	cagagccact	3720
agatctcata	tgatcttctt	caagccatta	ttttaactca	agaaaactct	agagaagaaa	3780
agtgaagaag	tcatgttgaa	gaagatgtaa	gaatgtgtca	agaccatcca	gaaatgatat	3840
gagaaatact	gatattttta	atggttgaca	tcatccagcg	aaatgaatct	acattaaatg	3900
ttgttttaac	tgcgctatga	ttaaaacat	tcatatagag	ttagtcttta	caactactat	3960
tctgttattt	ttttttttta	tctgacaaca	tttgtcctaa	gtaagataag	caaaaaaatt	4020
cttcaactcc	ttttggcaag	aaaactgtaa	cagaaaataa	attttgaatg	tgtacttaag	4080
tctttattat	atttgaagca	attttttttc	aatttttaaaa	gctgaatgaa	gacaacttag	4140
gttgctaacc	tagttcaaaa	tgaaattatt	tagataccaa	tttttaaaat	actggagaga	4200
atttatatgt	ctttttccag	agttctgatg	ataagca			4237

<210> 320

<211> 6492

<212> DNA

<213> Homo sapiens

<400> 320

gaattcaagt	cttggttctg	cacattccac	cctggagaaa	tctggggcaa	gtgactgttc	60
cccgggcctt	agcttctcct	gtcactggga	catcacaaca	gcacctacct	tagggcaact	120
caggccaggg	aagttgggtg	tgcctcacct	cccaatgtgc	gtcctcctgg	gcctggagcc	180
tcagggcctc	tgggaaggag	aagtgagcgc	ctctgggcag	gattcctggg	aggcctggga	240
gagcaaggga	agcgccaaga	gctgagcaga	gttctggggac	tgatccatgg	ccctttctct	300
ctcacctttc	aggaggtggg	ccccctccac	ccccagcact	tcccacctgg	tcgggtcccga	360
acggccccct	cccggaggag	gtggagcagc	agaaaagggt	gggctggggc	ctgggtgggg	420
aaccttagcc	gctgccagag	ttccatatgt	tctggaaacc	ttgactccta	gagttcagaa	480
cccagccaac	ttgcagtttt	cagaatgttc	aagaaacttc	tgacactcag	agttgcagaa	540
cctcctgggt	cctgcagatt	cctggaaatc	agaatatggc	ggttgaaaga	atcttgtggc	600
tgggcgtggc	ggctcacgcc	tgtaatccca	gcactctggg	aggccgaggc	gggcagatcg	660
cctgaggtca	ggagtttgag	accagcctgg	ccaacatggc	gaaatcccgt	ctctactgaa	720
gataacaaaa	attagccggc	catggtggcg	cccgtgctcg	taatcccagc	tcggcaggcc	780
gaggcaggag	aatcgcttga	accggggagg	cagaggttgc	agtgagccaa	gatcgagcca	840
ctgcactcca	gcctgggtga	cagagtctca	aaaaaaaaaa	aagaaaagaa	agaatcttgg	900
gcattttgta	attcgggtgt	cctgacagtt	tagtgactgg	gatctcgcat	cctgatctct	960
ccctgtcgct	gccctgccct	ccattccccc	tactctcacc	cagccccctt	cttgggtccc	1020
taggggagga	aggcttgggt	gagtattagg	agccagccac	cctggagacc	tctgagagag	1080
aggacggagg	tcgctggccc	cttcgctggc	catccttagg	accctgattg	acggcagctc	1140

tctcgcctcc	ccccacaggc	agcagcccgg	cccgtcggag	cacatagagc	gccgggtctc	1200
caatgcaggt	gatgctcaga	tagcttcggg	agttgggagg	gggcctccct	ggaggaagtg	1260
gccagccagc	tggacagtga	agaatgaggc	ttctctctct	cagctgcccc	cttttctgtg	1320
tttgtttcag	gagggccacc	tgtccccccc	gctgggggtc	cacccccacc	accaggacct	1380
ccccctctc	caggtccccc	cccaccccc	ggtttgcccc	cttcgggggtc	ccagctgcag	1440
cgcacggagc	agggggagga	ccacccccctg	cacccccctct	cccggcagca	cagggccctg	1500
gtggtggggg	agctggggcc	ccaggcctgg	ccgcagctat	tgctggagcc	aaactcagga	1560
aagtcaagaa	ggtgaggggc	cgggagaggt	gggcaggggg	caacagggct	tttatggggg	1620
atgaggccag	ggctgcccgc	ggtgtcattg	ggctggaagg	ccaaaaggcc	tgccccataa	1680
gctcctgccc	cttttaaat	tctccagcag	gaggaggcct	cagggggggc	cacagccccc	1740
aaagctgaga	gtggtcgaag	cggaggtggg	ggactcatgg	aagagatgaa	cgccatgctg	1800
gcccggaggt	gagcctgagc	ctggaccccc	aagtcacctg	gagttccagt	tcagtagggc	1860
ccagtcagag	gagggctcca	attcctgttt	agtttggttc	ttttggtgaa	tgttccccct	1920
ttgataacca	ggtttgggat	ataatggtgg	ggtttgtcat	gaaatgcctg	aggcttgcaa	1980
ccacctaggt	agcctgtaga	tgttctaaaa	cccagaattc	tagaaccgta	ggagatcttt	2040
cctcagaatt	ctgggaactc	aggttcctgc	aatctcagtg	ttccaacaca	gcaccgctcc	2100
accctcgaa	tcttactgtt	ccctaataata	agaatcatag	aacctcctcc	acctgattc	2160
tagaaccaca	atctcttgaa	tttttttttt	tttttttttt	ttttttttga	gatggagtct	2220
tgctctgtca	cccaggctgg	agtgcagtg	tatgatctcg	gtccactgca	acctccgcct	2280
cctgggttca	ggcagttctt	ctgcctcagc	ctcctaagta	gccgggatta	caggcatgag	2340
tcaccacacc	cggctaattt	ttgtattttt	agtagacaca	ggatttcacc	atgttgcca	2400
ggctggtctt	gaactcttga	cctcaagaga	tccacctgct	tcagcctctc	aaagtgttgg	2460
cattacaggc	cactgcgccc	agcacaatct	cctgaatttc	taaaactaga	gtttccttag	2520
gttttcggag	ttccagaatt	ctatgcgcta	ggatctacat	ttctagaact	cccctcagaa	2580
ggggatgggt	tgggtgacgg	aagcacgtgt	ttttgctttt	ctctcctgca	gaaggaaagc	2640
cacgcaagtt	ggggagaaaa	cccccaagga	tgaatctgcc	aatgtaagtc	agggactctt	2700
cttgccctac	atctcttagg	ccgtaccatg	agggtaggga	tagtgggatg	tgtgggggtt	2760
gaacctgaaa	gaggaatgg	gcagaggtgt	ggcaggggct	ggctcatggc	agttttat	2820
cctaccagca	ggaggagcca	gaggccagag	tcccggccca	gagtgggtgag	tagagtgcgc	2880
agtcacagca	caggaactac	aaatcccaga	atactctgtt	ctcacatgtt	aagcaccctt	2940
ataggagagt	cagggcgaat	ggtgctgggg	attgtagtct	cctgagatgg	ggctttgatc	3000
aggggctgat	gaggttgggg	gagtaagatt	gattgggggg	cagtcttttg	tccctgatct	3060
ttctgatttc	ttgcctatcc	ccagaatctg	tgcgagagcc	ctgggagaag	aacagcacia	3120
ccttgccaag	gtaggccatc	ggtcctgggg	cccttggggg	ggtaaaggcg	ggcagatcgc	3180
ttgagccag	gaggtcaaga	ccagcctggg	caacatggcg	acaccccatc	tctacaaaaa	3240
ttagccagc	gtggtagcac	ttacctgtgg	tcccagctac	tcaggaggct	gaggtgggag	3300
gattacttga	gccaggaag	ttgaggcctc	agcgagccat	catcatgcct	gcactccagc	3360
ctgagaaata	gaatgtgact	gtctcaaaac	aaaacacaac	aaacaaaaac	caaaaaaaaa	3420
aaaaactggg	gccccaaaaa	tacttggtg	tgcccaattt	ataaggcaga	gctcaatgtg	3480
atccctggaa	taggaggcgg	ggaagcaggt	cctctctcta	atctcattgc	tgtcccaaac	3540
cacaccaact	cccccaggat	gaagtcgtct	tcttcgggtg	ccacttccga	gacccaaccc	3600
tgacgcccc	gctccagtga	ttactcggac	ctacagaggg	tgaaacaggt	aacttggggg	3660
ggaagtggg	gaccacagca	agagagatct	aggtctggcc	cctgccactg	gcagtcgcta	3720
tgatcctaga	taacatctca	gaaacctcag	gtttccaatc	tgacaaatgg	agaaactgga	3780
ttgggtcaag	gatgaccgag	actccacacc	cccttttctg	gcacctgtga	cagacattat	3840
taatctatca	ccgcgctcat	tccagatgag	tgccttgaat	tctttccgca	cattgaccca	3900
gctgtccatc	accaattgga	gttggcagga	ggctggaatg	cgcttgccaa	ccttggtact	3960
ggatgttctc	cagtactttt	ccggctccaa	ggatccagaa	ttctccccta	gaatcctcca	4020
gtcactctgc	gaccttgaca	gcgatgtcat	ggtgtcgatg	taggggtagg	tctcaaacct	4080
actccccctg	gcttttccat	caacaagaaa	gaggggactc	tggcagggca	cgggtggtca	4140
tgtgtgtaat	ttcagcacat	tgcgaggctg	aggtgggagc	attgcttgag	gccaggagtt	4200
tgagaccagc	ctggggcaac	atcgggagac	ccccatctct	aaaaataact	tttaaaagtt	4260
acctgagaag	gccaggtgcg	gtggctcatg	cctgtaatcc	cagcactttg	ggaggccgag	4320
gtgggtggat	cacctgaggt	caggggttca	agaccagcct	ggccaacatg	gtgaaacca	4380

tcgctactaa	aaatacaaaa	attaggtctg	gaatgggtgg	tcacagccat	aatcccagca	4440
gtttggaagg	ctgatgggga	cggatcacgt	gaagtcaaaa	gttcgagacc	agcctggcca	4500
acatggcgaa	accctgtctc	tactaaaaat	acaaaaatta	gctgggcctt	gtggggggca	4560
cctgtaatcc	agttatttgg	gcggctgagg	caggagaatc	gcttgaaccc	gggagccaga	4620
gattgcagtc	agccgagatt	gggccactgc	actgcagtct	gggtgacagg	gagactctgt	4680
ttcaaaaaaa	aaaagaaaaa	gaaaaagtta	cctgattgtg	gcggcagggtg	actgtgggtcc	4740
cagctacttg	ggaggctaag	gcaggaggat	tacctgagcc	tgggaagtgt	aggctgcaat	4800
gagctgtgat	catgccattg	caccctagcc	taggcaacag	agcaagggttc	cttctcaaaa	4860
aataaaaagaa	gggggattca	ttcctgcaag	tcccgggtacc	cctcctgatt	agtttttacc	4920
cattaattttt	aggagcttct	ggaagagggtg	aagaaggaaat	tgcagaaaagt	gaaagaggaa	4980
atcattgaag	gtgagggtgg	ttgctttggg	tttgttctta	aacattttact	tatttttgag	5040
gcatcatgtc	cctgggcaag	agccctgttt	tgggaaggag	gaggcagaga	ctctgccccct	5100
gacctctgct	ccttggtttcc	ttccagcctt	cgtccaggag	ctgaggaagc	ggggttctcc	5160
ctgaccacag	ggaccagaa	gaccgccttc	tcctttccgc	acaccggcc	tgtcaccctg	5220
ctttccctgc	ctctacttga	cttgggaattg	gctgaagact	acacaggaat	gcatcggtcc	5280
cactccccat	cccacttggg	aaactccaag	ggggtgtggc	ttccctgtct	acaccacac	5340
tggctgctga	ttggctgggg	aggccccgc	ccttttctcc	ctttggctct	tccccctgc	5400
catccccctg	gggcccgtcc	ctctgctggg	gatgcaccaa	tgaacccac	aggaaggggg	5460
aaggaaggag	ggaatttcac	attcccttgt	tctagattca	ctttaacgct	taatgccttc	5520
aaagtttttg	tttttttaag	aaaaaaaaat	atatatatat	ttgggttttg	ggggaagagg	5580
gaaatttttt	tttctctttg	gttttgataa	aatgggatgt	gggagttttt	aaatgctata	5640
gccctgggct	tgccccattt	ggggcagcta	tttaagggga	ggggatgtct	caccgggctg	5700
gggggtgagc	atccccccac	cccagggact	ccccttccct	ctggctcctt	ccccttttct	5760
atgaggaaat	aagatgctgt	aacttttttg	aacctcagtt	ttttgatttt	ttatttgggg	5820
aggttttggg	gtccaggcca	ttttttttac	cccttgagg	aaataagatg	agggagaaag	5880
gaaaagggga	ggaaacttct	cccctcccac	cttcaccttt	agcttcttga	aaatgggccc	5940
ctgcagaata	aatctgccag	tttttataaa	tgctaagatc	tctggagtga	tttgaaggcc	6000
tgttctgatg	gggatggagg	tgtgctcggc	ccccggtgcc	cctccaggaa	gatttggtcc	6060
tctgctgaga	acccctgcct	cctcccagga	atccaccttc	ccttcattct	ccttcccacc	6120
ctgcatattg	cgctgctca	ctcatcctca	ggcccgagc	caggatgato	tctgccccct	6180
ccagcctccc	tccccatgcc	ccttaggagg	ccacttccct	cccatcccac	cctgcccttc	6240
accaccctag	gggaggccag	aagcagcctc	actttgtgta	gccttgggca	agtccatttg	6300
cttacctcag	gcctcagttt	ctgatttggt	aaagggctca	taagatgatt	ctctgcccc	6360
actctaccac	tctcccagct	tctttcctct	tttttttttt	tttttttttt	taatgagttg	6420
gggtcttgct	ctttcaccca	gtctggagtg	tagtggcagg	atcacagctc	actgcagcct	6480
tgaactcctg	gg					6492

<210> 321  
 <211> 1040  
 <212> DNA  
 <213> Homo sapiens

<400>	321					
cgacgagcca	tgggttgctg	gagcgacg	gggaggggcc	tgggggtcct	cagcgtgggc	60
tgccctgctg	actgcttttg	tttcatcagc	tgtttttccc	aacaaatata	tgggtgtgtg	120
tatgggaatg	taactttcca	tgtaccaagc	aatgtgcctt	taaaagagg	cctatggaaa	180
aaacaaaagg	ataaagtgtg	agaactggaa	aattctgaat	tcagagcttt	ctcatctttt	240
aaaaatagg	tttattttag	cactgtgtca	ggtagcctca	ctatctacaa	cttaacatca	300
tcagatgaag	atgagtatga	aatggaatcg	ccaaatatta	ctgataccat	gaagttcttt	360
ctttatgtgc	ttgagtctct	tccatctccc	acactaactt	gtgcattgac	taatggaagc	420
attgaagtc	aatgcatgat	accagagcat	tacaacagcc	atcgaggact	tataatgtac	480
tcatgggatt	gtcctatgga	gcaatgtaaa	cgtaactcaa	ccagtatata	ttttaagatg	540
gaaaatgatc	ttccacaaaa	aatacagtgt	actcttagca	atccattatt	taatacaaca	600

tcacatcaatca	ttttgacaac	ctgtatccca	agcagcggtc	attcaagaca	cagatatgca	660
cttataccca	taccattagc	agtaattaca	acatgtattg	tgctgtatat	gaatgggtatt	720
ctgaaatgtg	acagaaaacc	agacagaacc	aactccaatt	gattggtaac	agaagatgaa	780
gacaacagca	taactaaatt	attttaaaaa	ctaaaaagcc	atctgatttc	tcatttgagt	840
attacaattt	ttgaacaact	gttggaaatg	taacttgaag	cagctgcttt	aagaagaaat	900
accactaac	aaagaacaag	cattagtttt	ggctgtcatc	aacttattat	atgactaggt	960
gcttgctttt	tttgtcagta	aattgttttt	actgatgatg	tagatacttt	tgtaataaaa	1020
tgtaaatatg	tacacaagtg					1040

<210> 322  
 <211> 863  
 <212> DNA  
 <213> Homo sapiens

<400> 322						
tagatatttt	tcaaaaatac	agtgatgtca	ttgcaggaca	attttatgga	cacactcaca	60
gagacagcat	tatggttctt	tcagataaaa	aaggaagtcc	agtaaattct	ttgtttgtgg	120
ctcctgctgt	tacaccagtg	aagagtgttt	tagaaaaaca	gaccaacaat	cctgggtatca	180
gactgtttca	gtatgaccc	cgtgattata	aattattgga	tatgttgag	tattacttga	240
atctgacaga	ggcgaatcta	aaggagagtg	ccatctggaa	gctggagtat	atcctgaccc	300
agacctacga	cattgaagat	ttgcagccgg	aaagtttata	tggattagct	aaacaattta	360
caatcctaga	cagtaagcag	tttataaaat	actacaatta	cttctttgtg	agttatgaca	420
gcagtgtaac	atgtgataag	acatgtaagg	cctttcagat	ttgtgcaatt	atgaatcttg	480
ataatatttc	ctatgcagat	tgccctcaaac	agctttatat	aaagcacaaa	tactagtatt	540
tcacagtttt	tgctaataga	aaatgctgat	tctgattctg	agatcaattt	gtgggaattt	600
tacataaatc	tttggttaatt	actgagtggg	caagtagact	tcctgtcttt	gctttctttt	660
tttttttctt	tttgatgcct	taatgtagat	atctttatca	ttctgaattg	tattatatat	720
ttaaagtgtc	cattaataga	atgatggatg	taaattggat	gtaaatattc	agtttatata	780
attatatcta	atttgtacct	ttgttgaaat	tgtcatttat	acaataaagc	gaattcttta	840
tctctaaaaa	aaaaaaaaaa	aaa				863

<210> 323  
 <211> 1157  
 <212> DNA  
 <213> Homo sapiens

<400> 323						
ccagctttct	ctcctttgaa	aacactaaga	ataatgtcac	tgcatcagtt	tttactagag	60
ccaatcacct	gtcatgcctg	gaacagggat	cgtactcaga	ttgccctcag	tcccaataat	120
cacgaagtgc	acatctataa	gaagaacggg	agccagtggg	tgaaagctca	tgaactcaag	180
gagcacaacg	gacacatcac	aggtattgac	tgggtctcca	agagcgaccg	tattgtcact	240
tgtggggcag	accgcaatgc	ctatgtctgg	agtcagaaag	atgggtgttg	gaagccaacc	300
ctgggtgatc	tgagaattaa	tcgcgcagct	actttttgtg	agtggtcccc	cctagagaac	360
aaattttgctg	tgggaagtgg	agcacgactc	atttctgttt	gttactttga	ggctgaaaat	420
gactgggtggg	tgagcaagca	cattaaaaag	ccgattcgct	ccacagtcct	cagcttggat	480
tggcatccca	acaacgtttt	gctggcagca	ggatcatgtg	acttcaaattg	cagagtgttt	540
tctgcctaca	ttaaagaagt	ggatgaaaag	aaagccagca	cgccctgggg	cagcaagatg	600
cctttttgggc	agctgatgtc	agagtgttgt	ggcagtggca	ctgggtggctg	gggtccacggg	660
gtaagcttct	ctgccagtgg	gagccgcttg	gctgggttca	gccacgacag	caccgtgtct	720
gttgctgatg	cctcaaaaag	tgtgcaggtc	tgcactctga	agacagagtt	cctgccgctc	780
ctaagtgtgt	catttgtctc	agagaacagc	gtcgtggctg	ctggccatga	ctgctgccca	840
atgctcttta	tctacgatga	ccgcggctgc	ctgaccttcg	tctccaagtt	agatattcca	900



aaacagagca	tccaacgcaa	catgtctgcc	atggaacgct	tccgcaacat	ggacaagaga	960
gccacaactg	aggaccgcaa	cacggccttg	gagacgctgc	accagaatag	catcactcaa	1020
gtctctat	atgaggtgga	caagcaagat	tgctcgaaat	tttgactac	tggcatcgat	1080
ggagccatga	caatttggga	tttcaagacc	ctcagagtctt	ccatccaggg	cctccggata	1140
atgtgaagct	gagtgga					1157

<210> 324  
 <211> 974  
 <212> DNA  
 <213> Homo sapiens

<400> 324						
cggaaactgg	acactggacc	ggcagcgcca	tgagactcct	ccccgcttg	ctgctgcttc	60
tcttactcgt	gttccttgcc	actgtcttgt	tccgaggcgg	ccccagaggc	tcgttagcag	120
tggcacaaga	tcttacagag	gatgaagaaa	cagtagaaga	ttccataatt	gaggatgaag	180
atgatgaagc	cgaggtagaa	gaagatgaac	ccacagattt	ggtagaagat	aaagaggaag	240
aagatgtgtc	tggatgaacct	gaagcttcac	cgagtgcaga	tacaactata	ctgtttgtaa	300
aaggagaaga	ttttccagca	aataacattg	tgaagtctct	ggtaggcttt	accaacaagg	360
gtacagaaga	ttttatttgt	gaatccttag	atgcctcatt	ccgttatcct	caggaccacc	420
agttttatat	ccagaatttc	acagctcttc	ctctgaacac	tgtagtgcc	ccccagagac	480
aggcaacttt	tgagtactct	ttcattcctg	cagagcccat	gggcggacga	ccatttggtt	540
tggatcatca	tctgaactac	aaagatttga	acggcaatgt	attccaagat	gcagtcttca	600
atcaaacagt	tacagttatt	gaaagagagg	atgggttaga	tggagaaaca	atctttatgt	660
atatgttctt	tgctgggtctt	gggcttctg	ttattgttgg	ccttcatcaa	ctcctagaat	720
ctagaaagcg	taagagacct	atacagaagg	tagaatggg	tacatcaagt	cagaatgatg	780
ttgacatgag	ttggattcct	caggaaacat	tgaatcaa	caataaagct	tcaccaagaa	840
ggttgcccag	gaaacgggca	cagaagagat	cagtgggac	tgatgagtaa	atgttccttt	900
gtgcaacaat	tcggtcttta	cttaacctgc	cctaataatt	ttcggcctga	tgggaattag	960
tgacagagaag	ccaa					974

<210> 325  
 <211> 5487  
 <212> DNA  
 <213> Homo sapiens

<400> 325						
atggcctcag	gagccggagg	agtcggagg	ggcgggtggc	gcaagatccg	gacgcggcgt	60
tgccaccagg	ggccaattaa	gccttaccag	caggggcgac	aacagcatca	gggcattctt	120
agcagggtta	cagaatctgt	taagaatatt	gtgccagggt	ggttaciaag	atacttcaac	180
aagaatgaag	atgtatgcag	ctgttcaaca	gacacaagcg	aggttccacg	ctggccagaa	240
aataaagagg	accatctggt	atatgccgat	gaggagagct	ctaataattac	tgatgggaga	300
atcacacctg	agccagcagt	cagtaataca	gaagaacctt	caacaactag	tactgcttca	360
aattatccag	atgtgttaac	aaggccttct	cttcatcgga	gccatctgaa	tttttccatg	420
ttggaatccc	ctgcattaca	ctgtcagcca	tctacatcct	cggcattccc	aattggcagt	480
tcgggatttt	cccttgtaaa	ggaaattaaa	gattctacct	ctcagcatga	tgatgataac	540
atctcaacta	ccagtgggtt	ttcttcaaga	gcttctgata	aagatataac	tgtttcaaag	600
aacacttcat	tgccacctct	gtgggtccca	gaagctgaac	gttctcactc	actctcacag	660
cacactgcc	ccagctcaaa	aaaaccagca	ttcaacttgt	ctgccttttg	aacactttcc	720
ccttcaactg	ggaattcttc	aatccttaaa	accagtcagc	ttggagattc	tcctttttat	780
cctggaaaaa	caacatacgg	tggggcagca	gctgctgtaa	gacagtctaa	actacgaaat	840
acaccttatc	aggcaccagt	tagaagacaa	atgaaagcta	agcaactcag	tgcaaatct	900
tacggtgtga	ccagttcaac	agctcggcga	atattgcagt	ctttagagaa	gatgtcaagc	960

ccttttagcgg	atgcaaaaaag	aattccatcc	attgttttctt	ctcctctgaa	ttctcctctt	1020
gataggagt	ggatagatat	cacagatttt	caggccaaaa	gagaaaaggt	ggattctcaa	1080
tatcctcctg	ttcagagact	tatgacccca	aagccagttt	ccatagcaac	aaatcgaagt	1140
gtttatttta	aaccatctct	gactccttct	ggtgaattca	ggaagactaa	tcaaagaata	1200
gataacaagt	gcagtactgg	atatgaaaaa	aatatgacac	ccggacaaaa	tagagaacaa	1260
cgagaaagtg	gcttttcata	tccaaatttc	agtttgcttg	cagccaatgg	tttatcttct	1320
ggagtaggtg	gtggaggtgg	caagatgaga	cgagaaagac	acgcctttgt	tgcttctaaa	1380
cctctggagg	aggaggaaat	ggaagttcca	gtattaccga	aaatctctct	accgatcacc	1440
agttcttcac	tgccctacctt	taattttagt	tcccctgaga	tcacaacttc	ctctccatca	1500
cccatcaatt	cgtctcaagc	attaacaaac	aaggtacaaa	tgacctctcc	gagcagcact	1560
ggcagtccca	tgtttaaat	ttcatctcca	atcgtaaaat	ctactgaggc	aaatgtacta	1620
cctccatcat	ctattggatt	tacatttagt	gtgcctgttg	caaaaacagc	agaactttct	1680
ggttctagta	gtactttaga	accaattata	agtagttcag	ctcatcatgt	cactacagt	1740
aacagtacaa	attgtaagaa	gacaccacct	gaagattgtg	agggtccttt	tagacctgca	1800
gaaatcctga	aagaagggaag	tgttctagat	attctgaaaa	gccctggttt	cgcatcgccg	1860
aagatagatt	ctgttgctgc	tcagcccacc	gcaacaagcc	cagtagttta	tacaagacca	1920
gcaataagta	gcttttcttc	tagtggaatt	gggtttgggg	agagtttaaa	agctgggtca	1980
tcatggcagt	gtgatacatg	tctactccag	aacaaagtta	cagacaacaa	atgcatagcc	2040
tgtcaagcag	caaaattgtc	accagagat	actgctaaac	agactggaat	tgaaacacca	2100
aataaaaagt	gcaaaacaac	tctttctgca	tcagggacag	gctttggaga	caaattttaa	2160
ccagtgatag	gcacttgga	ttgtgatacc	tgtttagtgc	aaaataaacc	tgaagcaata	2220
aaatgtgtag	cctgtgaaac	accgaaacct	ggaacttggt	tgaagcgagc	ccttacattg	2280
acagtggttt	cggaaaagtgc	tgagactatg	actgcttcac	cttcagctg	cactgtaacc	2340
actggtaacct	taggatttgg	agataaatct	aaaaggccca	ttggatcttg	ggagtgttca	2400
gtatgctgtg	tttctaataa	tgagaagac	aataagtgtg	tgtcctgtat	gtctgagaaa	2460
ccaggaagtt	cagtacctgc	ttcaagtagc	agcactgtac	ctgtctctct	gccttctgga	2520
ggctctctag	gattggaaaa	gttcaagaaa	cccaggggaa	gctgggactg	tgaattgtgc	2580
ctagtgcaga	ataaggcaga	ctctaccaa	tgtttggcat	gtgaaagtgc	aaagccaggc	2640
acaaaactctg	ggtttaaaag	ctttgacaca	tcttcctcat	cttcgaactc	agcagcctcc	2700
tcatccttca	aatttgggtg	ctcatcatcc	tcttctgggc	cttctcagac	tttaacaagc	2760
actggaaatt	ttaaatttgg	agatcagggg	ggattcaaaa	taggtgtgtc	atctgattct	2820
gggtctataa	accccatgag	tgaaggcttt	aaattttcta	aaccaatagg	agatttttaa	2880
tttgagttt	catctgaatc	taagcccga	gaagttaaaa	aagatagtaa	gaatgataat	2940
tttaagtttg	gactttcttc	tggtttaagc	aaccagttt	ctttaactcc	atttcaattt	3000
gggttatcta	atcttgga	ggaagaaaag	aaagaggaac	tgcccaaact	ttcctctgca	3060
ggtttttagct	ttggtacagg	tgttattaac	tccacctctg	ctcctgctaa	caccatagtg	3120
acctctgaga	acaagagcag	cttcaacctt	ggaaccatag	aaaccaagag	tgcttcagt	3180
gctcctttca	catgtaagac	atcagaagct	aaaaaagaag	aaatgctgc	caccaaagga	3240
ggattctctt	ttggcaacgt	ggagcctgcc	tctctgccat	ctgcctcagt	gtttgttttg	3300
ggaaggacag	aagagaaaca	gcaagagcct	gtcacttcta	cttccttagt	ttttgggaag	3360
aaagctgaca	atgaagagcc	aaagtgtcaa	ccagtgtttt	cctttgggaa	ttcagagcaa	3420
accaaagatg	agaattcttc	aaagtccaca	tttagtttta	gtatgacaaa	accatctgag	3480
aaggaatctg	aacagccagc	aaaagccact	tttgcttttg	gagctcaaac	tagtactaca	3540
gctgatcaag	gtgcagcaaa	gccagttttt	agtttcttga	acaacagttc	ctctagtcca	3600
agtacaccag	ccacttctgc	tggtgggtgg	atatttggta	gttccacctc	ttcctccaat	3660
ccacctgtgg	ctacctttgt	gtttggacag	tccagcaatc	ctgtgagcag	ctctgccttt	3720
ggtaacactg	ctgaatccag	cacctctcag	tctttgctat	tttctcaaga	tagcaaacta	3780
gcaaccacat	ccagcacagg	tacagctgtc	acccatttgg	tctttggtcc	aggagccagc	3840
agtaataata	ctaccacctc	tggtttcggc	tttgagacca	caaccacatc	tagctctgca	3900
ggatcctcct	ttgtatttgg	aactggacce	tcagcaccat	ctgccagtc	agcatttgg	3960
gctaaccaga	ccccaacatt	tggaacaaag	caaggtgcca	gccagcccaa	tccccaggc	4020
tttgatctta	tatcatcttc	cacagcatta	tttcccactg	gttctcagcc	tgcaccacct	4080
acttttggga	cagtgtcaag	cagtagccag	ccccctgtgt	ttggacagca	acctagttag	4140
tctgcatttg	gctctggaac	aactccta	tctagttcgg	ctttccagtt	tggcagcagc	4200

actacaaatt	tcaacttcac	aaacaacagt	ccatcaggag	tggtcacatt	tggtgcaaatt	4260
tctagcacac	ctgcagcctc	agcccagcct	tcaggctcgg	ggggccttcc	atttaaccag	4320
tctccagcag	catttacagt	ggggcctcaa	gggaaaaatg	tggtctcttc	ttctggaact	4380
tcattctctg	gtcgcaagat	aaagactgct	gtagacgca	ggaaataaag	gtcacattgg	4440
tggtgtactc	aattttaaca	acagctgggtg	ccctgcttcc	agatactgga	ttgtactttg	4500
tgctgggggtt	atctgaagtc	agatctgcct	aaggacttct	ttaatttttg	aattttcctc	4560
ctttctcttt	cgttacagaa	gccccaccct	gcctcaccca	ccctttttta	aataaataaa	4620
tagctagact	ggtgactgat	tcttcagcaa	aaatatttta	tgatccagca	gattattcac	4680
tgatttgaca	tagtctggct	gtaccagga	atggagcctg	cacgggtgaat	ggctttgtat	4740
agaacctctt	tgtctacacc	attatgtgcg	ctgataacgt	tcattggaacg	cgttgaaatt	4800
gtaattatat	ctgaggaatt	ctgtatagat	tagaattctg	tatagattag	agagtgttga	4860
aacggatgat	ttctatgctg	agtttgtgct	ggtgtatgtg	tgaagtgaat	gagttgggtg	4920
tattgtgcgc	taaacttttc	tgatagagga	agcctgatta	aagaatggtc	cgtgctaagg	4980
acttggtaga	tctagttcac	tctccattta	ataattatat	gctatttcta	tattttcatt	5040
ctcctatcac	ctgtcttgcc	tttttcatta	ttttattatg	aaacttgtgt	aaatacaatt	5100
ttgtttctgt	actttttggc	ataacataaa	tctgtgaact	tgaaatttga	attttgtgtt	5160
agagattttt	ttgttgtttg	tttagtcttg	tctcagattt	tattatgtaa	atcccattat	5220
tcaaagttgc	ctaaatccat	ttggaaatct	ttaaaaaaa	aattggggat	tcttaaagtt	5280
gaattttattg	gctttttctga	tccagttttg	tttgaccaca	aaaccagtat	tgtacaaagt	5340
attaagcata	tattttttata	tttactaaaa	tggtctgtgg	tgacttttgg	ataataagga	5400
aaagtttaat	attaaagcca	tgttttattac	agtataatta	acatgttaaa	ccatgggata	5460
aatgccatca	ataaaaaatt	atgacat				5487

<210> 326

<211> 2640

<212> DNA

<213> Homo sapiens

<400> 326

gggcgcccaa	cgtgggctcg	ctcttcgacg	accagaaaa	cctgcagaag	aactggcttc	60
gggaatttta	ccaggctcgtg	cacacacaca	agccgcactt	catggccttg	cactgtcagg	120
agtttgagg	gaagaactac	gaggcctcca	tgtcccacgt	ggacaagtcc	gtcaaagaac	180
tattgtcgag	tgatgcatg	aaagaatata	acagggtcctg	agtctacctg	gatgaaaact	240
acaaatccca	ggagcacttc	acggcactag	gaagctttta	ttttcttcat	gagtccttaa	300
aaaacatcta	ccagtttgac	tttaaagcta	agaagtatag	aaaggctcgt	ggcaaagaga	360
tctactcgga	taccttagag	agcacgcca	tgctggagaa	ggagaagtcc	cgcagactac	420
ttccccgagt	gcaaagtgtc	aagaaaaggc	ttcatccgga	cgagggtgtg	attgcagact	480
gtgcctttga	cttgggtgaat	atccatcttt	tccatgatgc	ttccaatctg	gtcgctggg	540
aaacaagccc	ttcgtgtac	tccggaatcc	ggcacaaggc	actgggctac	gtgctggaca	600
gaatcattga	tcagcgattc	gagaagggtt	cctactttgt	atgttggtgat	ttcaacttcc	660
ggctggattc	caagtctgtc	gtggagacgc	tctcagcaaa	accaccgatg	cagacgggtcc	720
gggcccgcga	caccaatgaa	gtgggtgaagc	tcatatttctg	tgagtcggac	aacgaccgga	780
aggttatgct	ccagtttagaa	aagaaactct	tgcactactt	caaccaggag	gttttccgag	840
acaacaacgg	caccgcgctc	ttggagtttg	acaaggagtt	gtctgtcttt	aaggacagac	900
tgatgaact	ggacatctcg	ttccctccca	gctaccctga	cagtgaggac	gcccgcagg	960
gtgagcagta	catgaacacc	cggtgccag	cctgggtgtga	ccgcacctc	atgtccccgt	1020
ctgccaaagga	gctgggtgctg	cggtcggaga	gagaggagaa	ggttgtcacc	tatgaccaca	1080
ttgggcccga	cgtctgcctg	ggagaccaca	agcccggtgt	cctggccttc	cgaatcatgc	1140
ccggggcagg	taaacctcat	gcccattgtgc	acaagtgttg	tgctgtgcag	tgacgtggtg	1200
ggaagagatg	ccagcgcacc	gagaggacac	ttcgtgagcc	tccctgtagc	cgtggaccga	1260
atacgactc	ttgaaagctg	catcgagaac	ccgcccagc	gccacctgct	agacggccag	1320
ccccacactt	cgttccagcc	tccggaccat	tccggagcag	ccccacatac	ctcactgtct	1380
cgtctgtcta	tgtgacatta	agtagaaata	ttgggtttttt	ttttttttta	aataagtcac	1440

agtcctgttg	tcaaaactct	aatagacagc	aaagagggtc	tgtaccgtag	acttcacagt	1500
tttcagtttt	taatgattgc	cagtggaggg	gcttcttcag	cacagagacc	ccccactgtg	1560
tccagggacc	ccctctgcca	ggtggaggtg	tgtccagggg	ctggggaagc	cgagacgggc	1620
actccctctg	ccggccggca	gcgtggccct	gagcatggca	agggggtctg	tctctgccga	1680
tgtccttcc	gcggcactga	ctctgcgccg	tgtcacatgg	tttttgaatc	acactgcagc	1740
tgctttccat	ttttatatat	atataaatat	atataaatat	atacttttta	aaaataattt	1800
ataaatctta	ccaaaactta	tgctaaatat	actttccagt	atgaacgcac	aggagagtcc	1860
catcagcagg	cggcattgga	gtctaggagc	tcagctgtgt	gtccatcaac	acacaaattc	1920
gtaaaaaaca	cacatggcct	cgccatcgtg	ggtaaaaatc	gccccacagc	acgtctgcac	1980
cagcggggccg	ttactcccat	gccgttcttc	tgtgtaatat	taagaactga	atgtgaagtt	2040
tatagctagc	ctgggtgtac	cttttaagaa	ttttgtaaac	cgtttgtctg	tcttttggtt	2100
ctgttttatg	gtgccaaagta	tcctacgtta	caacaataat	atcatgggag	aaatagaaat	2160
agcctagttt	gcttccaata	gaaactgctt	ttaacatggg	ctgtatataa	aaatattaaa	2220
gagaaacaaa	actgtacatt	tcctcattgc	tccgctacag	acaacccatg	tcataacctt	2280
gttgcaaata	tttttctcct	atagcagtaa	gtacagcatt	agaagggtgat	tagagagtct	2340
gttgatgaaa	cacaaatgta	tgtttttatt	gatttttact	ttagaacact	acagagttcc	2400
tgggaccggg	gtgaaggcat	tagctgggtg	tttgtgtggg	ataaatacta	ccactgcaag	2460
tgactgctgt	ccgctgcgga	atctgttctt	ggtggaagca	caggtccgtg	tcgctgctgt	2520
ggttgccgct	gtccgcggtt	caacacggag	tccgccccgc	gggtttcagc	tgttggtcgt	2580
tctgaggggc	ctttggaagt	gaccggtctg	gttcctaagc	aataaaattg	accgtggtga	2640

<210> 327

<211> 307

<212> DNA

<213> Homo sapiens

<400> 327

ggaattttgt	aagatttatt	gagaatagaa	caggcttcct	gtcccctaac	cctgtggtgg	60
atcctgagaa	gaggggaagc	taggtctggg	tgggtgtggc	tggaggccta	cccacctgca	120
aatggggact	cccaggcccc	cgcgggtgca	tacagtgaac	aaagtaattg	ctctccccta	180
tcacccctga	tccttacctg	cctggcccc	aaggctcct	ggggaccaga	gatccctgca	240
tagccaggag	ccagcctggc	ccacctcaag	gggcaggaag	caagggtagc	actgtggaac	300
ctgtttt						307

<210> 328

<211> 287

<212> DNA

<213> Homo sapiens

<400> 328

ctcagggata	ataaatctat	tttaataacg	ttacttttga	caacgatttg	tacatgtatt	60
taaagataac	aactttcaac	ccccaccctt	acccagact	cccattacaa	attgaggcat	120
gacctgccct	tgccaggaag	tgagcaaagc	tgcaacatca	aaactctgca	catcccactc	180
tcagaggagg	gtgactttac	actgtgttgg	gaaaaataac	taagcattta	aatttttcat	240
tgtacacctg	tacattgggt	tagattgaat	ggctcaaatt	aaacaaa		287

<210> 329

<211> 1619

<212> DNA

<213> Homo sapiens

```

<400> 329
ggcacgagcc cgctgcccgt ggccgctcgca ctgcccagacc aggggggcagt atgaagacca 60
cattcaccat cgagatcaag gacggccgtg gcaggccctcc acaggccggg tgctgctgcc 120
cacaggcaac cagagggcag aactgacact ggggctgcgg gcgccccgac cctactcagc 180
accagtagtg gggcaagagc accatcacc gccatgcccc cccagtagc cgaggaggct 240
tgggcagtgt cactcatgtc accagcttca gccatgcccc cccagtagc cgaggaggct 300
gcagcatcaa gatggaacca gagccagcag agcctctcgc tgcagcagtg gaagcggcca 360
atggggctga gcgagcccga gtgaacaaag caccagaagg gcggcgtctg agcgtgagg 420
agctgatgac tattgaggat gaaggagtct tggacaagat gctggatcag agcacggact 480
ttgaagagcg gaagctcatc cgggctgact tctgtagctc cgacaaagga agagagacca 540
gcgggacaag gagcgggaac ggggctgca ggaggcacgg ggccggccag gggaggggag 600
cggcaacaca gccactgaga ccaccagcag gcacagcagc gggcagcgat ggctctgctg 660
tcagcactgt taccaagact gagcggctcg tccactccaa tgatggcaca cggacggccc 720
gcaccaccac agtggagtct agtttctgta ggcgtcggga gaatggcagt ggcagcacca 780
tgatgcaaac caagaccttc tctcttctc cctcatccaa gaagatgggc agcatcttcg 840
accgcgagga ccagcgagcc acgggcccgc atggccgggt cgagagttag aaacggcagg 900
ccgagaagaa gaaagagctg atgaaggcgc agagtctgcc caagacctca gcctcccagg 960
cgcgcaaggc catgattgag aagctggaga aggagggcgc ggccggcagc cctgcccagg 1020
ccgcgcagcc gtgcagcgat ccaccagctt cggggctccc aacgccaaca gcatcaagca 1080
gatcgtcgtg gactggtgtc gagccaagac tccgggccta cgagcacgtc gacatccaga 1140
acttctcttc cagctggagt gatgggatgg ccttctgtgc cctggtgcac aacttcttcc 1200
ctgaggcctt cgactatggg cagcttagcc ctgagaacct acgcccagaac ttcgaggtgg 1260
ccttctcatc tgcggagatg ctggtggact atgtgcccct ggtggaggtg gacgacatga 1320
tgatcatggg caagaagcct gaccccaagt gtgtcttcac ctatgtgcag tgcgtctaca 1380
accacctgcy acgccacgaa ctggcctcgc gcggccaaga tgtctagcct gccgcccgc 1440
atggccagcc agtggcaact gccgcccaca ctctccgggc accgtctcct gcctgtgctg 1500
ccgcccaccg ctgcctgttc tgttgcgaca ccctcccccc cacatacaca cgcagcgttt 1560
tgataaatta ttggttttca acgaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1619

```

```

<210> 330
<211> 4553
<212> DNA
<213> Homo sapiens

```

```

<400> 330
ggcggcatgg aggcggcgca tctgctcccc gccgcccagc tgctgcgcca cttctcggtg 60
acagccgagg gcggcctgag cccggcgagc gtgaccggcg gcggggagcg ctacggcccc 120
aacgagctcc cgagttagga agggaaagtcc ctgtgggagc tgggtgctgga acagtttgag 180
gacctcctgg tgcgcatacct gctgctgggt gcccttgtct cctttgtcct ggctgggttc 240
gaggagggcg aggagaccac gaccgccttc gtggagcccc tggatcatcat gctgatectc 300
gtggccaacg ccattgtggg cgtgtggcag gaacgcaacg ccgagagtgc catcgaggcc 360
ctgaaggagt atgagcctga gatgggcaag gtgatccgct cggaccgcaa gggcgtgcag 420
aggatccgtg cccgggacat cgtcccaggg gacattgtag aagtggcagt gggggacaaa 480
gtgcctgctg acctccgcct catcgagatc aagtccacca cgctgcgagt ggaccagtcc 540
atcctgacgg gtgaatctgt gtccgtgacc aagcacacag aggccatccc agaccccaga 600
gctgtgaacc aggacaagaa gaacatgctg ttttctggca ccaatatcac atcgggcaaa 660
gcgggtgggtg tggccgtggc caccggcctg cacacggagc tgggcaagat cggagccag 720
atggcggcag tcgagcccga gcggacgcgc ctgcagcgca agctggacga gtttgagcgg 780
cagctgtccc acgccatctc tgtgatctgc gtggcctgtg gggatcatcaa catcggccac 840
ttegccgacc cggcccacgg tggctcctgg ctgctgtggc ctgtctacta cttcaagatc 900
gccgtggccc tggcgggtggc ggccatcccc gagggcctcc cggctgtcat cactacatgc 960
ctggcactgg gcacgcggcg catggcacgc aagaacgcca tctgtcgaag cctgccgtcc 1020
gtggagaccc tgggctgcac ctcagtcac tgcctcgaca agacgggcac gctcaccacc 1080

```

aatcagatgt	ctgtctgccg	gatgttcgtg	gtagccgagg	ccgatgcggg	ctcctgcctt	1140
ttgcacgagt	tcaccatctc	gggtaccacg	tatacccccg	agggcgaaagt	gcggcgagggg	1200
gatcagcctg	tgcgctgcgg	ccagttcgac	gggctgggtg	agctggcgac	catctgcgcc	1260
ctgtgcaacg	actcggcgct	ggactacaac	gaggccaagg	gtgtgtacga	gaaggtggga	1320
gagggcacgg	agacagctct	gacttgccctg	gtggagaaga	tgaatgtgtt	cgacaccgac	1380
ctgcaggctc	tgtcccgggt	ggagcgagct	ggcgccctgta	acacgggtcat	caagcagctg	1440
atgcggaagg	agttcaccct	ggagttctcc	cgagaccgga	aatccatgtc	cgtgtactgc	1500
acgcccaccc	gccctcacc	taccggccag	ggcagcaaga	tgtttgtgaa	gggggctcct	1560
gagagtgtga	tcgagcgctg	tagctcagtc	gcgctgggga	gccgcacagc	accctgacc	1620
cccacctcca	gggagcagat	cctggcaaag	atccgggatt	ggggctcagg	ctcagacacg	1680
ctgcgctgcc	tggcactggc	caccggggac	gcgcccccaa	ggaaggagga	catggagctg	1740
gacgactgca	gcaagtttgt	gcagtacgag	acggacgtga	ccttcgtggg	ctgcgtaggc	1800
atgctggacc	cgccgcgacc	tgaggtggct	gcctgcatca	cacgctgcta	ccaggcgggc	1860
atccgcgtgg	tcatgatcac	gggggataac	aaaggcactg	ccgtggccat	ctgccgcagg	1920
cttggcatct	ttggggacac	ggaagacgtg	gcgggcaagg	cctacacggg	ccgcgagttt	1980
gatgacctca	gccccgagca	gcagcgccag	gcctgccgca	ccgcccgtg	cttcgcccgc	2040
gtggagcccc	cacacaagtc	ccgcatcgctg	gagaacctgc	agtcctttaa	cgagatcact	2100
gctatgactg	gcgatggagt	gaacgacgca	ccagccctga	agaaagcaga	gatcggcatac	2160
gccatgggct	caggcacggc	cgtggccaag	tcggcggcag	agatgggtgct	gtcagatgac	2220
aaatttgcct	ccatcgctggc	tcgggtggag	gagggccggg	ccatctacag	caacatgaag	2280
caattcatcc	gctacctcat	ctcctccaat	gttggcgagg	tcgtctgcat	cttcctcacg	2340
gcaattctgg	gcctgcccga	agccctgatc	cctgtgcagc	tgctctgggt	gaacctgggtg	2400
acagatggcc	tacctgccac	ggctctgggc	ttcaaccgc	cagacctgga	catcatagag	2460
aagctgcccc	ggagcccccg	agaagccctc	atcagtggct	ggctcttctt	ccgataacctg	2520
gctatcgagg	tgtacgtagg	cctggccaca	gtggctgccc	ccacctgggtg	gtttgtgtat	2580
gacgcccagg	gacctcacat	caacttctac	cagctgagga	acttcctgaa	gtgctccgaa	2640
gacaaccgcg	tctttgccgg	catcgactgt	gaggtgttcg	agtcacgctt	ccccaccacc	2700
atggccttgt	ccgtgtctcgt	gaccattgaa	atgtgcaatg	ccctcaacag	cgtctcggag	2760
aaccagctgc	tgctgcggat	gccgccctgg	atgaaccctt	ggctgtctgg	ggctgtggcc	2820
atgtccatgg	ccctgcactt	cctcatcctg	ctcgtgccgc	ccctgcctct	cattttccag	2880
gtgacccac	tgagcggggc	ccagtgggtg	gtgggtgctc	agatatctct	gcctgtcatc	2940
ctgctggatg	aggccctcaa	gtacctgtcc	cggaaccaca	tgacgaaga	aatgagccag	3000
aagtgcgcgc	tgggaacagg	gtggagtctc	cgggtgtgtac	ctcagactga	tgggtgccc	3060
gtgttcgcct	ccgcccccca	cccttgccac	cacactcgcc	cacttgccca	ccgggtcccg	3120
ccggataaat	gacaggcccc	aggtcagaat	ggccatcccc	gggccccgtc	ctggggtctc	3180
tgtccccact	tccttctggc	ctgggaggtc	tgtaattcct	gtctcctgga	ctctcctggg	3240
aagttccctg	ctctgcagct	ctggcccagg	agctgcaggc	tgggaggggg	cagccaagaa	3300
gccggagctg	gcagcatacc	cagagatccg	gggccccccc	acccccaaat	cacgagtgc	3360
gctggagctt	gctccccctt	gttcggaagc	tggacgttca	cttgggtgact	gggtgctctg	3420
cactgacgga	ggactctggg	ggctccttctt	accggctctg	acctctctct	tcgtgctctg	3480
tctgggactg	ggtcagccct	gggggatcag	aaggggccat	ctggggccag	ctgtgtacag	3540
cgaggggtgg	cagccccctc	cactccactc	tgcttccaca	aagtcggctc	ccgagagctc	3600
gaggctgctt	ctgtttatat	gtgcagggcc	cgggcccgtg	aagggtcaga	gagacggaca	3660
caaggagccg	gcaggagggc	ggagcgagga	tgtectttcc	cgggagacaa	gtcgggaaag	3720
cctggctgga	ctgcctcagc	cccgcgcgcc	tectggactc	agggttcccc	gtcctgagct	3780
cgggagatgt	tcagagtcac	actgccgcc	ggctgtgccac	gcagaggtcc	aacttgccac	3840
ccgcgtccct	ggtacctgag	accaccgaca	tcctcaggtt	cctgaccgtg	gcgcccttct	3900
accagccca	gtgtgeggcc	gccgcgtgt	ctgcacagct	gggggcctct	gagcctgggtg	3960
ggcttccctg	actcttggcc	tcactccttg	ccccctcccc	acgacacca	tgagccgaaa	4020
ggatgtcact	aaggatggct	gattcccaaa	gggcaccgc	tctccctccc	tcctgtctgg	4080
aggaacacgt	catatcagat	gagaggaaga	tggcctctga	tggacagaat	ttttctctta	4140
actcagcttt	tgctactttg	gcaaaaacta	gcgaggggta	gcagaaacct	gcaccaagga	4200
ttgtccctat	gtcttgcccc	ctcctagagc	gtgtgcagac	tgatgatttt	atatgtaaat	4260
caagactcac	atccctttcc	tagtccccca	catccaaagc	ccctcagcct	gccttgca	4320

ccaatgggct	ccatgtttctg	tagccccctc	ccctacgcct	cacccctcct	ccctctcaca	4380
ggttctgggc	ggccagttag	agaaacgcag	tgggggaggc	agggagtctg	gtgcctgcag	4440
agattctctg	cttctttcct	ggggggaggt	ggggaggtct	tagcaggagc	gggccctgta	4500
cccactgct	gacctgctgt	ttggtagaga	aataaagggt	gtgtgactgg	ggg	4553

<210> 331  
 <211> 6372  
 <212> DNA  
 <213> Homo sapiens

<400> 331						
ctgcagtgtt	cgcttttctg	agaaagagga	tgtggaggaa	ggaggaggtg	ggcaatctgg	60
cttgagttgt	gctgtatcct	cttccttggt	agcttgcctt	agtctcactg	gagaccattt	120
gcggatagtg	cttgggtccat	gcccagcagg	acagggcttt	gctgcttctg	aaagtctggg	180
gttctgtatc	tggggctgtg	ggttcctgtg	tctagctgct	caggaaatct	tgagaagcat	240
tccactctgg	gggtgtaaacc	agtatgagtt	tgaaattcaa	gcgtttgtac	ctgagttggg	300
gagagaattg	caaggcatac	tttctctgaa	agtaacagaa	ccattcaggc	tgccatgtta	360
ttaaggaatc	tgaactgttg	atagcagtta	ccttgtgggt	gatacaatgg	gaggcgga	420
aaaaactacc	tgcataggag	accctgccct	ttgtcaagag	ctgggagcac	atttcacag	480
agtagcaggc	ccacctgggt	ccagagggcc	tgccctcctt	gcttctgttc	ctttgccttg	540
cagtctcctg	gagagagcct	ctcttttctt	gtacagcctt	tgggccaaaa	tgcccttcta	600
gcttctccaa	agaagatccg	agtttatttc	attctatgtt	ttaagaggta	aaaggacata	660
acaagtgaag	gaaatgttgg	gctaaagttag	gctatgtctc	cttatgtatt	actcaatact	720
gttttgcaga	gaaaacattt	ttcaagcatg	tgcttctctg	agacacctca	gtctttgggc	780
catttgattt	ccaatacata	gggtggaaga	atgtgatttt	ggggctgacc	ataaactgga	840
aatttgtgaa	atggcagtga	ttgggcaatc	ttcagtttat	tttttcagtt	gaagtggaac	900
tcatttctgg	aatggattta	ataggctgtg	tctaattgtac	aaactgggtg	agtcctgcct	960
tagtgtgtcc	tgccccaccg	gtacgcttcc	aggatactct	tttccctctt	gtaaagtac	1020
tttcttctga	tggccagtgt	cactatgatg	tcagttaggt	ctggggatga	ggacagtgtg	1080
tcctgaaatt	cacaggactg	acgcctcacc	ccagtgcacg	aggattcctg	tggcatcagg	1140
tgctgctgta	cctgggtgtg	gagcctaata	attgaaccat	tgtgttactc	acattccatg	1200
tcacagaaca	tatcagcctc	aagaaggatt	tgggtggagg	ggatttacca	ctggttttac	1260
aaaggaccgt	gtaaagtcat	tgaagtgtgt	aaagtctatt	tttttctctg	taaatctatt	1320
ttttacagaa	tataagaaac	atcaatgacc	tgatctgtcc	ttcctcctcc	ttcccgcttc	1380
ccccaaaatc	acattccagt	ttttattgtc	tttgtgtcca	aagtaaaacta	ggtgacttat	1440
ttgtataaaa	tgttattttg	ccacatgaga	cagtaataaa	agaaagattt	tcacagtacg	1500
tctccctcgt	cctgtctcct	gattgttggg	cccggtgtgt	tgctgagggg	agcaggggag	1560
aatgggggct	ccaggtttct	cttacttttg	ctattatgtg	gcccttctgt	aagtagttga	1620
actagagtat	agctggcttc	tagagtgatt	gaggaattgt	actggacttt	aggettaata	1680
tttttgcttt	atattttccc	agggtagagt	gctttgtaaa	ttgaaagttt	acatgcatgt	1740
tttaaaggta	gggttttttt	ttttgagatg	gagtttctgt	cttttttccc	aggetgggat	1800
gtgatggcat	gatgggtggc	cactgcaccc	ttcgctccc	gggttcaagt	gattgtcctg	1860
cctcagcctc	ccaagtagct	gggattacaa	gtgcatgcca	ccacgcccgg	ctaattctgt	1920
attttttgta	gagacagggt	ttccccatgt	tggccaggct	ggtcttgaac	tcctgacctc	1980
aggtgatcaa	ccgccttggt	cctcccaaag	ttctgggatt	acaggtgtga	gccactgtgg	2040
ctggccataa	aggtaggctt	attaagaaat	actttaacta	cagtaaaatt	tacctcaatt	2100
aagagtattg	atgcattttg	acaaatgaat	acttttatta	cccatcacia	tcatgatata	2160
ggacatttcc	atcgtaacca	ctcagaaagt	tcctgagttc	cttgtgtttg	cagccagggtg	2220
acttccccca	cttcgctctt	tgcaaccact	atctgattct	gtctctattg	gaaaacttgg	2280
atacttttaa	aatgaaattt	gaacgttcat	atttacagtc	acaaattctc	aagagtctgg	2340
tttagatgct	ctgtggcacc	tgaagcaatt	attggccttt	gctcaciaaac	acaactcact	2400
tatttctccc	ttttctcctg	cttcttcttc	gtttcttcca	cccagggtctg	gttcccagggt	2460
gggatgactg	aaagggtgagg	aagcccttag	agcatttgcc	aatgggagcc	attcatttga	2520



ctttaaagta	ctgagaat	agaggcgttc	ttttaaatgc	attattttaa	aagaaaggta	2580
acacattaag	gactttgctg	catcttttga	ttggctttct	tctaggaagt	agtgaccgag	2640
gtttccactt	tcctccaaga	ggaagagaca	gaagttttgg	caaataggtc	aatgctggga	2700
acagatgcct	gcctggctga	gtgctgggaa	agaaaggcag	ttggagggat	gtgtgggtgc	2760
ctgggagggc	gtgggtggtg	cccaggaggc	tatgggaatc	agaatcacac	ttgcacaaga	2820
gaagaccctt	atgggacaag	taaaatcagc	atagtttctt	gggcggggca	aaggtgtcct	2880
gatgaggatg	ctaggggtca	aatatgtggc	tgggttctgc	cccaatcggg	aatgagacac	2940
agtactgaag	tggaacgggg	gtagcatctc	caccacacct	cacagcctct	ggggaaaaga	3000
aaagctttct	tgcagcccaa	ctccaggggc	ctaaatattg	agcgccaaca	caagacaggt	3060
ccttgagctt	ctcggaagca	gtcggggaag	cagataat	cagatgcaaa	gtgccttgaa	3120
taaacagaac	gaaagataga	gagccagagg	gggagaaacg	gcttgggtgtg	gtcagggcag	3180
gcatccatga	gacctaaacg	aagagggggc	attccagaca	aaaggaacag	tgatcacaga	3240
ggccccgagt	caggaaccag	ctaagggtct	tagagaagag	ctgcctcgta	aagctaagca	3300
acaataacca	gggaatggtg	ggcatgggccc	ctgatagaca	aggcaggtct	tggcttttta	3360
agccatagaa	ttggatttta	ggaggggatgg	gcccgcgcgac	aaagccaaca	aagttttaac	3420
ccgaagatcg	ctatcttatt	tatgctttta	aaagacctct	ctggcctttc	tgcgaagctc	3480
tatccttagc	tttctcttgt	tagcattttg	attaacgaat	gtgggcacga	acagccagct	3540
gaccgaccgc	gcgcgcagtc	gagcgtcggt	tcctgcgcct	gggagggacc	actggaggcc	3600
ccgccccctg	gccgcgagcg	cacctcggcc	ccgctcccg	ggccctacgg	gcgtggcctc	3660
tgtcccgggt	cccgcctccc	agcactccgg	aacagcgcg	tcgcagcggg	aggctcgcaa	3720
gcctgggact	gtgtctgtcg	cccatggcgg	ccgcgtgct	cgcccgggcc	tcgggcccctg	3780
cccgcagagg	tgagtgcgct	ggggatccgt	acggcggggc	ttcagcccgc	gtctggccca	3840
gcgggcggag	gtcctggcgg	ccggctctgt	cagagccgct	ggcaggcgga	gccccactcc	3900
gggagcgctc	acggcctttg	ccccagttct	gctgtctcct	gcgcggaccc	agcccggccc	3960
ttcaggcgctc	cctggttcct	gcacagaccc	ctaccccccg	attgacccca	gccaccagcc	4020
cagttcccag	ttcccatatc	tcctccctt	catttcaccc	ccactagagg	ttcagggtgc	4080
gtccttcttc	cggagccagg	cctgggattg	aaccagaccc	gcatctgtga	ccttgggcaa	4140
gacagcccct	cctcagcctc	ggttggccca	tgtgtaaaat	gtccacagag	aaaatcagag	4200
ttgttgggag	gattaaatca	tagggatgt	aaagcacttc	gtgcctggcg	tgtaacaggt	4260
gttccacaaa	tgctcgttct	tgtgtgttaa	tacagtacct	ttcccatctt	acgtgtctcc	4320
agttgtagca	gccgtgacac	atatagccac	ggcttccttt	gcctggcctg	aattacaagg	4380
ggaacgctac	tgagaactgt	gttaagcgct	agttagtctt	tctttcgcac	tccgaggagc	4440
ggaatactat	tcgcctccac	ttgttataga	aacggaggct	cactgacgtt	taaaaccctt	4500
gcctaaggctc	acagagctga	ggtcttatta	ctgttggat	tatactgagg	actgaaggat	4560
gtagtgtatg	gaaatgtcta	gtgagtgtac	taagcattca	gttagtatgg	ggttttcagt	4620
ggccgccatg	gacatttttg	gctgacagtt	ctttgttgtg	ggggtgtcc	tctgccttgt	4680
tggatgttca	gcagggatcc	cggaccctta	tccactgggt	accaatagta	ttccctgtct	4740
ctagttgtga	caactagaac	tggctccaga	cattgccaga	tgtcccttgg	agggcaaaat	4800
cctccctggt	gagttagtgg	gtcactagga	ttcttggaga	cctcctgcct	cctccttcca	4860
ctcacttctg	cccttgccgg	cagctctctg	tcttagggcc	tggcggcagt	tacacaccat	4920
ctaccagtct	gtggaactgc	ccgagacaca	ccagatgttg	ctccagacat	gccgggactt	4980
tgccgagaag	gagttgtttc	ccattgcagc	ccagggtgat	aaggaacatc	tcttcccagc	5040
ggctcaggtg	agagtgaac	ctcagcagcc	cacgatagtg	gtctgccttc	tgtactggga	5100
tgaatggtgg	cagtgaacgt	cagcgagcact	cggactttgg	tagaggaacc	ccaaagcagg	5160
gcctggaacc	cagaaaatgc	tctggaagtt	tcccttgtcc	agcctgtggc	cagtagccag	5220
gacttaactt	ctgggacaac	agtaatatgt	gggtgatggg	cagttgctta	ctgtgccagc	5280
cactgtgctc	attctaaata	gtgcctttag	gggttttggc	atgcactagg	cactgttctt	5340
gagatgggtt	atctcatctg	ttcctcacaa	cggctcctgtg	agggtgaagg	actattctta	5400
tttatttttt	tgagacggag	tttactctt	gtggctcagg	ctggagtgca	atggtgcgac	5460
ctcgccctcac	tgcagcctct	gcctcctgag	ttcaagtgat	tctcctgcct	cagcctccca	5520
agtagctggg	attataggcg	tgcactgctc	tgccccgcta	cttttgtatt	tttagtaaag	5580
acggcgtttc	accatgttgg	ccaggctggt	ctcaaactcc	tgaattcagg	tgatctgcc	5640
acctcgccct	cccaaagtgc	tgggattaca	gggtgtgagac	accacgcccg	gccaaaggta	5700
gtattattat	ataccccatg	gactcagact	tgtgaacaag	ttaaataaca	tacccaaggt	5760

catggagctc	atcagcggca	gcctgctcga	cctatTTTTct	TTTTtattta	cttattTTTTt	5820
tttgaaatgg	actctcgcctc	tggtgcccag	gctggagggc	agtggcgcaa	tctcaacgca	5880
ctgcacccct	ctgcctcctg	ggttcaagca	attctcctgc	ctcggccccc	agtagctggg	5940
attacaggcg	ggcaccacca	cgcccagcta	gtttttgtac	tttcagtaga	gatgggggtt	6000
ctccatgttg	ggcaggctgg	tctcaaactc	ctgaccttag	gcgatctgcc	cgccttggcg	6060
tcccaaagtg	ctgggattac	aggcgtgagc	caccgtgccc	ggcctgcttg	aactgttttc	6120
tcccctgagt	ttcccatcag	cgcgctccct	cccgtgccac	tgtgttcttc	catttgcatt	6180
cagtctgtct	gcagctacgc	gttgaagatg	ttactgccgt	acacgctgac	ctaaagatgt	6240
ccagcacctg	gtgtaaacac	tcagtagtag	atagtgtgtt	aattaatgat	ttgtgaaaag	6300
tcaaacctct	cgggcctctt	ctccttgcc	gttttttttt	ttaattttaa	ttttaattta	6360
ttttttattt	tt					6372

<210> 332  
 <211> 89328  
 <212> DNA  
 <213> Homo sapiens

<400> 332						
gacccaaggg	cttggctact	ggactgtggg	caatgacact	caaaagcaaa	ggaactgtgg	60
gactaccagt	agggtgagct	gggccctgtg	atggccacaa	gcttagagaa	gttattagag	120
ttaacgagat	gatccataag	tgggggatgc	tctttcatta	tagctattga	ggagtttgtg	180
tactgcttag	aacagtgtct	ggcaccta	agacacagtt	taagtgttag	cgttttcgtt	240
gttgggtgca	ttgtcatcat	catcatcaat	gagaatatta	taaaactatc	aaaagacatt	300
taaaaagact	taagtggtaa	gataccat	tgtattatag	gaaacctcaa	taacaaagac	360
atcaatacct	cccaaattga	cctgtggatt	caatgccatt	cataataaaa	ttgcagcagg	420
gtttttgcta	gaaattcaca	cagattttct	aagttatatg	agaaactcct	aggttttctc	480
ttactctctg	aactgtcatc	cctttaaggc	ttttttgttt	ttttgagata	gggtctcact	540
gtgtcaccta	ggctggagtg	cagtgggtgc	atcacagcgc	caccatgccc	cgctaattaa	600
aaattttttt	tttttttggt	agagattagc	tctcactatg	tttcccaggc	tgggtcttgaa	660
ctcctgggct	caagtgatcc	tctgcctca	gcctcccata	gtattgcat	tacagggtgtg	720
agccactgtt	cctggaacct	tttaagggtt	ttttacatga	atcctcttct	gactccccag	780
ttcttaagat	ccttctctat	gcctcagca	aaattccctg	tatcctgaac	ttctgtaaac	840
atccattcat	cttcttgatc	taaatgaaat	atggctctga	ggacatgcct	ttcccagggt	900
tcttgaaagt	gggaggctgt	tttctctcct	gcactcagta	caatgcttgg	ctcaaagggtg	960
tggtagttct	ccttgattgt	cattgctgct	ttcagacctt	tttctccat	agaccactcc	1020
aactttta	ctcatgacat	cagagtatcc	cctgtttaat	cactttttgtg	gttaaaagag	1080
acctttgggt	cagtctgcct	cattccttga	agagttagc	cctggctcac	ttttcactct	1140
atttcttctc	ctgtcttaaa	tcttcgttat	ttcattgttt	atatagattt	tcctttcatt	1200
atcctgacct	cgaatttctt	tgactttctc	tcccttagtg	agcttgacct	ccatcccatc	1260
tcagacacac	attgccatac	cttacttaga	ctttatccat	aactgtagct	gccttcccc	1320
acaatctcga	gtcccaatcc	ctgtttttatc	ttctcttttag	ggcccttget	tcataagtc	1380
tttaacctca	ccaggaccta	cagtcttttg	accctatttc	ctatttacta	ccccctttgt	1440
ttttcattcc	ccttctta	gttcacattc	ccatcttgat	ctggcttaga	tccatggatg	1500
agtaataaga	gcatttttta	atgtacatcc	tcaactccac	tgcctcctct	ctaaactttg	1560
ttatgtttgc	ctggtaaaac	tccagctctg	gtcaaatcca	acttgttacc	tttgcgacag	1620
tacccaaata	gctgaacaag	gctagagaaa	aacatacagc	cgtgcagact	gctctcactt	1680
taacttgctg	atcactaact	aacgtggccc	ttaatgtac	ctgtcagtc	cgtgtttgc	1740
cctggteect	tgactctcct	gtccccgag	tcaggatatt	catgctccac	cctcttcaaa	1800
cctccatccc	atctccctca	tctcactct	cagctctctg	aaaataggag	caactagaag	1860
ataatttcca	ggaactctca	tcacctctc	tgccaccta	cttgtatctg	tgcccgtagc	1920
ctgcctttgc	ttctggctctg	tggattagcg	atcttgctct	gaatatgagc	tccccttaag	1980
tttgactaa	attccattgc	cttttgaca	cattgctcca	gcagtcttct	tctctcccc	2040
cttaaaaatc	atcagtttta	ccctttctat	tggattgcac	tcatcagttt	atagatctgc	2100

tgtaattttt	ccataactaag	aaaaatctct	ccctccattt	ccctgagtga	taatccttcc	2160
cggatctcag	aactcagtc	tcagacctct	tctcttttct	gcctatatatt	actttcagag	2220
tattctcact	caatcttgtg	gctttaataa	cttccgtttg	ctggtgacta	acatttttct	2280
ttagctggac	ttctttgttt	ttttttttga	gacagggtct	cgctctgtca	cccaggctgg	2340
agtgcagggg	cacgatctgc	agccctgacc	tcccaggcat	aagcagttct	tccaccccag	2400
cctcccttgt	agctgagact	acaggcatcc	accaccacac	ccggctattt	tttaaatatt	2460
ttttgtagag	acagggtctt	accatgttgc	ccagtctggt	cttgaactcc	tggcctcagg	2520
tgatccacce	accttggcct	cccaaagtgc	tgggattaca	ggcatgagcc	actgcacctg	2580
gcttagctag	atttttctcc	tgaatgctag	acttgtttat	tcacctgact	acttcacatt	2640
ctacttgtat	ttctactgat	cctctcatcc	accagatac	ctcagagtac	tcttgtttct	2700
gtaaacaata	aatacatctt	ctcaatttatg	gctcaggcta	aagttttgat	gtcatccttc	2760
actccccctt	tttagacacc	ctcataagaa	tccatcatca	agtcctattg	gctctatctt	2820
taaaatatcc	agaatttgat	ttctgtttac	cgtatctgct	gctttccctc	tgctccaaaa	2880
acagccccct	aactggctct	ctgctgtcgt	ctctttctcc	ctttaagatt	gattctttac	2940
aaagcagcca	aagagatcct	tttaacatgt	aagtcagatg	atgtcacccc	tctgctcaga	3000
accttccatg	ggccggggac	ggtggctcac	gcctgtcatc	ccagcacttt	gggaggccaa	3060
ggcaggtgga	tcacctgagg	ccaggagttt	gagaccagcc	tggccaacat	ggtgaaaccc	3120
catctctact	aaaaatacaa	aaatttggtg	ggcatgggtg	cacatgcctg	aaattctacc	3180
tacttgggag	gctgaggcat	gagaattgct	tgaacttggg	aggcgggggt	tgcagtgagc	3240
tgagatcctg	cctctgcact	ccagcctggg	caacagagca	aaactctgtc	tcaaaaacaa	3300
aacgaaaaaa	agaaccttcc	atggcttcac	atcaggataa	aagccagcgt	ccttccgtgg	3360
cctactgtgc	ctgtccaggg	tggctctgtc	ttgtctctct	gagtcgcact	tctcttttct	3420
cactgggggt	cattgaagcc	agccctgact	tccctgtgac	gtgctctgta	tgcctttgcc	3480
tctagtccaa	gctcttctcc	cagcaagatg	catagttggc	tccctcacct	tctttggatc	3540
tgtgcttaaa	tactactttt	aaaataagg	ttaaataata	tcttatgtac	aaaatctttc	3600
tctaagcatg	taaagacatt	ctccttatat	tttcttccaa	agccttgcaa	ttttgtcttc	3660
catgtaattc	ctaaatccac	ctggagttac	tttttgggta	gtgtaagtaa	ggatccaatt	3720
cagttttttt	cttttttagat	taacagttgt	tacagcacct	cttcgagcac	agtccatctt	3780
ccccaggtct	ttaatgctat	ttagatagtc	catttaccaa	gttaccatgt	atacacagtt	3840
ctgctcttgg	gctgtctttt	ccagtgggtg	actttctgcc	tctgtgctaa	tttcaccttt	3900
tcttagcttc	tctttcattt	tcttctcttt	tcatgttttc	ttagagacaa	ggtctcgctg	3960
tgtcaccacg	gcctgagtgc	agtgttgtga	tcatagctca	ccatagcctt	gaactcctgg	4020
gttcaagcag	tccttctgca	tcaggctccc	aagtagctgg	gactacgagg	cacagaccat	4080
caagcccagc	taattaaaac	aagttttttt	gttttttttt	tttttgtaga	gatagggtct	4140
tgctatgtta	ggcaggtctt	gaactctcct	ggcttctgcc	tctcaaagca	ctggaattat	4200
aggcatatga	accactgcgc	ctggccgcct	tagttccttt	catttagcac	agtgcgtttg	4260
ttctgatgaa	agatgaattt	tcaatgtgat	gaggacagtg	ggaaagagga	agtgtgtggt	4320
ttttggggag	tggggagagg	actggtatgt	ttggagccct	ttaaagcagg	ggttgccaga	4380
ccatggccag	atctggccta	ctacctgttt	tttttatgac	ccatgagtta	agaatgggtt	4440
tttacgtttc	taaatgggtg	gggagatgat	aaagtttcat	gacacatgaa	aattatatga	4500
attttaaatt	tagtttccac	aaacagtttc	attagagccc	agccatgttc	acttgtttag	4560
gtgtttcctg	tggctgcgtt	tgtgcactgg	gggagttgag	agtgtgacag	aggctgtttg	4620
gccatcagag	ctggaaatat	tcaactctct	accctttaca	gaaaaagtgt	gtgacctgc	4680
aaaatggatt	ggtctgggtt	gtcaggacgg	cttcggaatc	ctggatgtga	cagaagagga	4740
gagaagagtg	tgaaaagaag	ttttgagttc	tgcgcagatt	tcaaaatttt	accctaggct	4800
gtttgtggca	ggagatacag	atgtttttat	tttctgtttt	tgttcaatcc	tgcccagtca	4860
aatcagcaag	attatggttt	tagataacaa	ccagtgattg	ttgttttaat	ctgtgaactt	4920
gtgtggattt	taatagtttt	tctcactggc	agttgttaaa	ctactctaaa	ccacatatgc	4980
cagtttttaa	gtaaatctaa	ggtattagaa	taaatctttt	aacaagtatg	aaggtcttag	5040
ttgtagcatt	acaatgacta	gcattgagct	tttttttttt	tttcagtagg	aggctccacc	5100
tgatgattga	actgtaaaat	gtgtgtgcat	acagtatatt	agacctatct	aacctgttac	5160
atataatcac	aggtagtttt	ctttaatttt	actcaaacag	aacttgccaa	gattaaaccc	5220
tacagatctg	ttcaaacttg	agggaaatga	aattctacct	tttgtataat	tcaaaggatt	5280
tttttggttc	tgtaatgtaa	catttccatt	atacattgtc	ttcagggtat	gcattccttt	5340

gtaataggaa	tgtctaacgg	ttgaatttta	attgtccttg	taagtacttt	ccgccttctg	5400
tgaatgaagt	agctaagctt	tttaaagtcg	ctgtacattt	tttgttagtt	tggttaaagc	5460
agaaatgaca	gcagttatta	ttaataactt	ttgtaatatt	ggagtgattg	atctttacta	5520
tttcattgtc	gttaatcatt	acacatattt	agctgcattg	tcttgacagt	gaacgtagat	5580
tttgagaca	agagtatact	aggactattc	tggatctgta	atgccaaata	gttttctttc	5640
aaggctgtag	agaaggtaaa	gatgtataga	agagttaaatt	gctttcatag	tatttactgt	5700
tactgaataa	aagcttcttt	gtcctcatct	gatgaaagtt	gttgacatat	tatattgtat	5760
aaaaatatgg	tgaatagaag	ctatagatat	ttatttatatg	actctagagg	aagagtttta	5820
ctgacaccat	ttataaaaagg	aaacacatct	aaaacatggt	ctttgtctct	aagaaattta	5880
aaatacagtt	aattgggtta	taactcctcc	cagaccctca	agcttatcca	ctgtatcatt	5940
taatgggaaa	ggagaaattc	gatgtttgct	taacagcagt	cataaaatat	ctatatgata	6000
ttcacatctt	aaaatctgac	acgtttttta	gtttctgagt	agagattata	tggatttctt	6060
aatgggaaa	ggagggttga	gctgatgcct	cactttcccc	tttctgttgc	tgactcaaag	6120
ggtactgatt	tactgccta	tgtcaggctt	gattcctggc	tctgagcaca	agctctgtaa	6180
gtgcttggat	tacatagcaa	ggctgtgatg	cagtcagggg	ccacttttga	gtgtgcaaac	6240
agtctcatca	ctgttttaaaa	cttgaacaaa	ttcaattaat	gggtgccaat	tctgggccct	6300
agagatacag	aaaagaataa	gatagtctcc	atttttcaag	gacttaacag	tctagccggg	6360
gagatagggt	atataaatct	tatctgatgt	ggacaagtta	ttccagtctt	atgaacagat	6420
ctccagggtt	tcatagaggg	agtctgtttg	tctggaaaag	tggaggagtt	tctccaggtc	6480
tgagtttccc	aaaggtttga	aaggagatgc	aggccaggcg	cagtggctca	cgcagttaat	6540
cccaacactc	tgggaggccg	aggcgggcag	atcacgaggt	caggagaccg	agaccagcct	6600
gacaaaaatg	gtgaaaccct	gtctctacta	aaatacaaaa	aaattagccg	ggcgtggtgg	6660
catgcacctg	tagtcccagc	tactcaggag	gctgaggcag	aagaatcact	tgaaccaggg	6720
aggtggaggt	tgcaatgagc	tgagatcacg	ctactgcact	ccagcctggg	caacagagca	6780
agactccatc	tcaaaaaaaa	aaaaaaaagg	gagatgtaag	tttctcccag	gcagaggatt	6840
gggagatttg	gagaggactt	tcttctgggt	gtgagatatg	tttgagcaaa	gacagaagat	6900
tggcgaaatc	gggggttttc	aggaatccat	ggtttacaac	ctggggagag	catatgacag	6960
tgatcacagc	tccacattat	tttttcttta	tactgcaaac	gcgaattatt	gtgtgccaaa	7020
tagatgctgt	catgattact	cttttagtcg	tattaatagt	tatttggtat	tcaggaatgt	7080
tttggttggc	cttagctcag	ttaaatgctt	ttcatttggg	taaaattatt	ataagggcat	7140
ggtgcatata	taacaaatta	ccatgtagca	ttgggaatta	ttcacaacat	agttcatgaa	7200
cttagtattt	attctatggt	cgggaaatca	tttttcccat	tttctttaag	aatattgctt	7260
ttcttctgtc	ttgttttagt	tgtaccatag	tttgattcca	aagcttttgc	tgtgctagat	7320
accaattttg	agtaaaacag	atgtttacgat	tgcaagggaat	gacttcaggg	aagaccattc	7380
acgggggaaa	ggtggttccc	atataagagg	cagacggcaa	aggatcaggt	gaaagaaata	7440
attctcgctg	ctttcttaca	gctgtaaata	cacattctta	gtcatctcag	taggaaaaga	7500
gaggcgttat	tgaagcttat	tcaagttgca	gagctctact	tttacttgac	tatagcatta	7560
aataataaat	ggcttcaaaa	cttcatgcag	atggggcaaa	tagagggtgat	tagttttggt	7620
ctttgtccta	gaaattgtga	tcagccttag	cattcttcat	agtgttttaa	actcctggtt	7680
attttcttag	ctgatgagt	tctacaatat	atttggtagt	ccttaaagct	accttaagaa	7740
tgttagttaa	tcggccaggt	gcagtggctc	acacctgtaa	tcccagcact	ttgggaggcc	7800
gaggtaggca	gatcacgaga	tcgggagttc	gagaccagcc	tggctaattg	tgaaccctg	7860
tctctactaa	aaatacaaaa	attagccggg	cgtggtggcg	tgtgctgta	gtcccagcta	7920
ctcgggaggc	tgaggcagaa	gaattgcttg	aaccaggag	gcagagggtg	cagtgaacca	7980
agattgcacc	actgcaactc	cagcctgggc	gacagagcaa	aactccgtct	caaaaaaaag	8040
agtgttagtg	agtattcttc	cattcttctt	acggcaatgc	tgtcactaaa	aaatggctta	8100
tgtacttggt	tcatacagtt	tattgaggca	agatttagtc	tgtacccttg	aattttcatt	8160
tcttaatttg	gtcactcagt	tgccgagaca	ctgagtcaaa	gtttcattat	ttacactcag	8220
ggctgactgg	gggagacata	gacaaattat	tttatgtgca	gtttcccagt	ttttaattaa	8280
tttatactct	gcctctttca	aaaccaagtt	tgagatacct	taaaaaataa	atacgagaaa	8340
aagataaggg	gggaaattag	gggtagtgga	aaagccagat	agaaaaagta	aggattcatg	8400
ttgtttgggt	cataaatttg	actccagact	taagaaaggc	cccgacagag	agaaaacata	8460
ataaataatg	tgagttctat	tgtctgttcg	taagataaaa	acacacatca	cttgggtgat	8520
aagaagccat	ggtactgaag	ttcaaggaaa	gacgtgtttc	ctctgcccc	ggaaaagggg	8580

cttccatagg	tgtcttctgc	ggcaactgag	cagctctgta	acctgggcag	ctcagtgtcc	8640
agagttctga	atgaacatgt	ggctccctgc	tggctctggct	caatccaagg	gtgaaaggta	8700
gggcactgtg	aatctacagc	gagagcagaa	ggagaaaatt	catatggtct	gaatcatttg	8760
gcatttatag	aatctcttaa	attgtccaat	gtggcaactt	tccttctaac	gttaaaagag	8820
atttgctgtt	tcttttagggg	atttatggaa	tgaggaaagt	ggcttgcat	taggtgcaat	8880
gttgacaaaa	aaattcttat	ctttagagct	ctggaatgat	agccagtgc	ggcagtactc	8940
ctggcatgag	aggcacgcag	agactgagat	gccagagagg	tacaaccaca	ggttcatctt	9000
tctccctggg	catacattct	tgggtggaaga	acaggcacac	tttacattct	ccccctctcc	9060
tttctctccc	atctatgtag	ttgactgtag	aagtttgggtg	tgtgtgttgt	cagcctcact	9120
gtgtctacag	agtagatagt	atccttgtcc	tacaggaata	ttgtttctta	taactgaact	9180
tagctacata	ttgggtgaca	gaggaccaga	atatattctc	tgtctagaac	attaaataaaa	9240
gatactctgt	tctgattcag	ggtagatcca	taagcatgag	cagtcaactgg	aactgggatt	9300
tgggttgtca	tgggtagtgg	aagtgtctcag	gccagagtgc	ttcacttggc	cttgtgtctc	9360
tgccagttac	tgggtgagtg	atttgtgcaa	gttacttacc	atctctactt	cacttacctt	9420
atctgtaaat	ggagaggaca	gtgttggcct	cataaggctg	ttgcagagac	tgagataata	9480
catgagaagt	gacaagaaca	gtgtctgggtg	catagtaagt	gctcaatatg	tgtagatctt	9540
ttattttgggtg	ttgtaaatta	aggagctaaa	gcagataaac	gtagcgtacc	tccccacaat	9600
agtagataaaa	agcagttttc	tgaataggac	atttggaaat	cataatcttt	tttttctgat	9660
tcgtgataat	tttatccttt	ttcagagaaa	cagcaccag	gactatcttc	caaagagttc	9720
tggatatcct	aaagaaatct	tctcatgctg	ttgagcttgc	ctgcagagat	ccatcccaag	9780
tggaaaacct	ggcttccagt	ctgcagttaa	taacagaatg	cttcaggtgt	cttcgcaatg	9840
cttgcataga	gtgttctgtg	aaccagaatt	caatcaggta	gttacacacg	taccttggat	9900
tctgtttctt	tgtatatgtg	catgctgggt	ctgtcatttg	gtttatctgt	tagaagttgt	9960
tttgggctgg	gtaagggtggc	tcatgcctgt	aatcccagca	ttttgggagg	ctgaggcagg	10020
aggattgtct	gagtcaggga	gttcaagacc	ggcctgggca	acatgggtgag	accctgtctc	10080
tacaaaaaaa	atacaaaaaa	ttagctggac	atgggtggcg	acacctgtag	tcccaactgc	10140
tcaggagact	gaggtgggag	gattgcttgg	gccagggaga	ggcagagggt	gcagtaatct	10200
gagatgatgc	cattgctgca	ggctggggcca	cattgtgaga	ccctgtctca	gggaaaaaaa	10260
aaaaaaaaaa	gttggtctgg	catgatagta	tcaccactg	ttattgcagg	attgcccttt	10320
acatctgctg	ggagaggccc	tctacaggcc	ttgccattgg	agtctctctg	actagtgtat	10380
aaaataaattg	agtgtgttta	acattagggg	ttagatttct	tgtttgtttt	tatcacatgt	10440
tttgaggtat	ttggttcttc	atagtgtttt	gaagctgatt	ttgagtcttt	gttcctagat	10500
tttacctgcc	taagtttata	tgcagttctt	gacctcaggt	tgtaaatggt	ttaattactt	10560
ttaatgtttt	aatttgttac	tcttgtgttt	ggacaagaag	catattttgt	aaattttacaa	10620
gatgacctgt	ctttcctaaa	gatcatgtaa	agttccaagc	tctgcttcca	cctattttat	10680
gatggcacac	tttttaaaag	tagttaaaac	atgagcaggc	gagctgtcca	gtgctcttct	10740
ttgcttttac	gtgttaccgt	ctcctcccag	aacacagcat	ctttcttctt	tgattttgtg	10800
gaacctgctt	tttattaaaa	atttttactt	gaagtcagaa	gccacaaaca	ggatgtctac	10860
tttccttctt	ggacttggat	gtagacagag	cctccaggct	tccctgtcac	cactgtgacg	10920
ggtaagcttg	ggctgggtcca	gaagccactt	gagggactcc	cttcggttag	acacatatac	10980
ccgaggcttt	gatatgatta	atgagatttt	taagatcaaa	ggagagaggg	taaaaagtga	11040
gtcgtgtaac	ttcaataacta	aaccaaacct	gccatccatt	tgaggataaa	tggatagaaa	11100
caacaataat	cttgataata	atagtctaca	ttctaaaaca	taactagtta	tatgctagaa	11160
gcatctggcc	agaaggctag	tttcttttgt	ccttttccag	tcacaagggtg	ctctagtgtg	11220
atgggggaagg	aaaggagagc	cgtagaacta	acttttgact	gtggctggca	gatacacctt	11280
tgtgcttggc	taatcttggg	ggggaaggga	gtgagcatte	gttgagcctg	ccttcggcat	11340
tgggctttgt	cccaagggtt	ttgcttgtag	tatcttcttt	aattcttaga	acaaactcaa	11400
gaaattttttt	cattttttaca	aaagatgaaa	ctgtaacttg	gagagggttaa	ataacttgtc	11460
tgagagtcac	ttgttaagtg	agagaggctg	ggaacattct	ctccatatcc	agacatctga	11520
ctctaaagct	taagcttaac	aagcagtctg	cccttactgt	tctgagctta	agctcaaaag	11580
cagtctgggc	caggcgcggt	ggctcacgcc	tgtaatccca	acactttggg	aggccgaggc	11640
gggtgaatca	tgaggtcagg	agttcgagac	cagcctggcc	agcatggtga	aacctgtctt	11700
ctactaaaaa	taaaaaatta	gctgggtgtg	gtggcacaca	cctgtagtcc	cagctactct	11760
ggaggctgag	gcaggagaat	cacttgaacg	gggaaagcgg	aggttgcagt	gagccaagat	11820

tgggtactg	cacttcagcc	tgggcaacag	agtgcagactc	cgctctcaaaa	aaaaaaaaatgc	11880
agtctaccct	tgctgtcctg	agcccttacac	actgggtcttg	ttgtggatga	ctgctccatc	11940
ttgaccctgg	acaggtgact	tggtcttcct	gagtatcagt	tttgtcctct	gtaaaactag	12000
gtaagcaatg	tcttccaaac	aggctggtta	tgggggtgtaa	atgagattac	ttatgtaaat	12060
gcctaagtca	cattgtgtgc	tcagtaaaca	ttaaatgttt	ctgcctctgc	ctcaggaatg	12120
aatgtacaac	acaagtttat	gttaataactt	tctttcaaaag	cagtcaattt	ttatttttctt	12180
ttttgagtaa	tatatgcaaa	ctataaaaaat	tctaacatta	caaaaaataaa	tactatgaca	12240
agtaagttaa	cgggtggtctt	ttggtagggc	cagcaaagca	agggctgtgc	tgtttgtgat	12300
atcttttttat	tgcatgcaac	ttatggttgg	gcggaatga	aaatgaacat	ttaaggggtgt	12360
taattttttct	gcctcttccc	ttctaggatt	gtattattat	tcactgttga	tttttaaagg	12420
aaaatttcaa	ccatttaggg	cagcaatttt	cagaaaagaa	ttttctagtt	agaaatacta	12480
caaagattct	agtaaagact	ttgtggccaa	gcttaactaa	ggccagtatt	tctgagccag	12540
tcaagattca	gattgcaact	agtacatatt	tttctgatgt	tttactttaa	gtcgtaaaag	12600
agttcatcaa	aagggtgat	gctattaaag	cctagatctt	tttacatctt	ttgcactttg	12660
tgtggactgg	gactgttttt	gccaaagaatg	catggaatgg	ggtaaaatac	aataaagcaa	12720
agaatctgag	tcatgggaaa	cttcaggaag	tactcaaaga	aagctgttgg	aagcagttag	12780
ctctgcatgt	aaatataacc	tctactgcta	gggttgctat	atttttcctg	taaagagcca	12840
gataataaat	aatttaggct	ttgtaatctc	tgtcagattt	ctcagctctc	ccattgtagt	12900
gcaaaaacag	ccatagacaa	tatatgaatg	aatgaacatg	tctaattttg	tcttttttaa	12960
aaaaccagg	aacttgata	cgattgggtg	tgctgttgat	ttgattcttc	tgtttcgtga	13020
actgcgagt	gaacaggaat	ctctgttgac	aggtagcatg	caatataatt	catggattat	13080
ttatatcttt	ataaaggggt	caaaaccagt	actttgagta	ttaacatcat	tcattgaaac	13140
acatgttctg	tatttcatga	gatagggaaa	ctttaatagt	gaattattaa	agaattataa	13200
agttgtatca	acttcccttc	ctgaatggct	gaattttgtt	cctttcacat	ttgtatgttg	13260
aagtctgtct	gttcagttg	ctataacaaa	atgccttagg	ctgggtagtt	tataaacaac	13320
agaaatgtat	tgcttacagt	tctggaggct	ggaaagtcca	agattaagg	accagcagat	13380
tgggtgtttt	gcgggggctg	ctctcgtctt	catagatggt	gcctcttgct	ttgttctcct	13440
gtggtggaag	gtggaaggca	gaaggcataa	acaagctctc	tgggccccctt	ttataagggc	13500
actaatccca	ttcacgagg	ctgcaccatc	atgacctagt	cacttcccaa	aggccccatc	13560
ttatactagc	aagttgggga	ttagattttca	gcataggaat	ttcggagggg	cacagatatt	13620
cagatcatag	catggtccta	accccccaata	cccagaatgt	gactgaattt	ggagatagga	13680
tctttaaaga	ggtaattaa	gtaaaatgag	ggtatatgac	tggtatcctt	ataggaagag	13740
gaaattagga	catggccatg	ctcagagtag	agaccatgtg	aagacacagg	gagaagatga	13800
ccatctacag	gccaaaggag	gagacctcag	aagaaatcag	ccctctcgac	accttgatct	13860
tggacctcca	gccaccagaa	ctgtgtaaaa	ataaatgtct	gttgtttaag	ccattcagtc	13920
tgtggtgaaga	cttttaatat	ttatgaatgt	gacaggccct	ggtccagggtt	ttgggtgtga	13980
ttcaaacagt	gaccaaaca	gacaaaaagt	gtctgtcctt	agagaactca	cattccgttg	14040
aggggaacca	catgttaagt	gtctaagtca	agtatctagt	gtgatgaaaa	tggaaacttag	14100
ctctgattgt	taacggttgt	tgacttggga	ttaagagaaa	caccacactt	ctttagactc	14160
attagtagaa	tggtttttgt	ctttgttctt	ctagcatcaa	catctttcct	ttggacagt	14220
gttattatct	taacataatg	tttaaaaaaa	aaacgtagat	ttttaattta	tgatctcttt	14280
gtgccaggaa	ttgaaatact	ttatgggtaa	acctaataa	tttgataaaa	aaatctta	14340
gtaggctggg	tgccgtggct	catgcctgta	attctagcac	ttggagaggc	caaggtggac	14400
agattgcttg	agctcaggtg	tttgagacca	gcctgggtaa	catggtgaaa	ccccgtttcc	14460
aaaaaaatac	aaaggctggg	tgcatgtggc	caagcctgta	atcccagcac	tttgggaggc	14520
tgaggcgggc	ggatcatttg	aggctcaggag	ttcaagacca	gcctggccaa	catggtgaaa	14580
ccccctctct	actaaaaata	caaaaattag	ctgggtgtga	tggcgcagtc	ttgtgatccc	14640
agctactcag	gaggctgagg	caggagagtt	gattgaacct	aggagatgga	ggttgtagt	14700
agccgagatc	gtgccatttg	actccagcct	gggtgacaag	agtgaatttc	tgtctcgaaa	14760
aaaaaaagaa	ccgggcatgg	tggcacacgc	ctgtagtcgc	agctacttgg	aggctgaggt	14820
aggaagattg	cttgagcctg	ggagggtgaa	gttgcatgga	gctgagatca	cgccgctgca	14880
ctccagcctg	ggtgacagag	caagactctg	tctcaaaaaa	aaaaaaaaaaaa	aaaaaaaaaaaa	14940
caaaacccca	gaaaattttta	atgtaaattt	ccagggtggat	aagttagatg	tactaaatta	15000
taqgttaaat	tttqttqttg	ttggctgggc	qcagtggtc	acgcctgtaa	tcccagcact	15060

ttgggaggct	gaagtgggcg	gatcacgagg	tcaggagatc	tacctggcta	acacggtgaa	15120
accccgctctc	tagtaaaaaat	acaaaaaatt	agccgggcat	ggtggtgggc	acctgtagtc	15180
ccagctactg	gggaggctga	ggcaggagaa	tggcatgcac	ccaggaggca	gagcttgagc	15240
tgagccgaga	ttgccgccac	tgaactccag	cctgggcgac	agagcgagac	tccacctcaa	15300
aaaaaaaaaa	aaaaattgtc	attgtaataa	cgtctttacc	ttataattca	atgaatataa	15360
cctttaaatg	agaagtctcc	agttgcattt	aaaatattat	ttgacttaca	aattgtttta	15420
tatacagttt	taatgcctgt	actttgcata	taacatgagg	catatttctt	tttttttttt	15480
tgagatggag	tcttactctg	tcgcccaggc	tggagtgcag	tgggtgcgata	ttggctcgct	15540
gcaaccaccg	ccttcccgcg	gggttcaagc	gattctcctg	cctcagcctc	ccgagtagct	15600
gggattacag	gcgcctgcg	ccgcactcgg	ctgatttttt	gtattttttt	attagagatg	15660
gggtttcacc	ttggccaggc	aggtcttgaa	ctcctgacct	cataatctac	ccacctcggc	15720
ctctcaaagt	gctgggatta	caggcatgaa	ccaccgcacc	tggccacgtg	aggcatattt	15780
ctattgatgt	taatatgtgt	gcttctcttg	gtagatagac	aagaactaga	ggtgatggtc	15840
ttttttcaca	ggtgaaatag	gctaaattag	cgtgttagag	cactgcctgg	tttggtttta	15900
tttctgtgat	ttcctagtgt	tttcatttta	aactcagttt	gctagaaatt	cttgatctt	15960
gctatttgat	tttgaagtat	tccttttaga	aatggtaatt	aaaaattaat	tacttccttt	16020
aagaattttac	agacaaaagt	catcaccatg	tttttttgag	catcagtttt	taaaaataatc	16080
tcaagaaatt	gaaaggatgt	aggatttagt	tgtgaaatgt	ttttacgata	ttatatattt	16140
aaagatactt	ctgtagctct	attttataat	aaaagggaag	catcagtagt	caaaattggg	16200
gaattataaa	ttagcagtaa	agtccgtggt	tcacagtgtc	acttgggaagg	gcagctattt	16260
tgaggtctct	gtgtgggtata	gtaattgaga	aagaaagtgt	agaatgtact	gtgttttata	16320
attggtgatc	ctgatggggc	gggcagtgtg	gcgctccaga	gctgctgtgc	tgtgggtgggc	16380
ggaaggagg	ttctctttta	atgatatatg	ctaaataaag	aagcaaagg	gaagtgctgt	16440
acaaatgctg	tgattaaata	actattagaa	tggagccagc	ccctccacca	tgtgctggat	16500
ttcatcgcca	cctgcccacg	cagaagcttt	tctcctgaaa	ttatcccctt	gctctcaggc	16560
agcctctggt	tttttcctct	ttactccatc	attttcatca	gcaagtaata	tgccctccca	16620
tttttcattt	aaaaatatct	tcttttgact	ccatgtcccc	gtcagtccag	tatctcgttt	16680
ttctgctcta	tcccaaagt	gctacaaaag	atgtatttag	tttttacaat	atatggtaaa	16740
agattatttc	atccttcaca	ggattacttt	ccactgaagc	aggtagatga	cctaagaaaa	16800
aatttaacgg	agcagatata	tgaactact	tttatgaacc	agtttgtcat	tgaggagtaa	16860
attggttatt	tgggtgttag	cctggctatt	cactcatatt	cactaggcag	agagggcaga	16920
ttcttacaga	cctgttacat	gttagctgta	ttaaatgttg	ttcttaattt	aggtagttgc	16980
atttgatga	gtttaattgt	tttttattga	tgtgagattc	acatattggt	aactatttta	17040
aagtgaacaa	tcgagtggca	tttagtacat	ccacagtatt	atgcaactac	catctctacc	17100
taattaaaaa	aaaaattttt	ttttttgaga	cggagtttgc	tctcgttgcc	caggctggag	17160
tgcagtggca	caatctcggc	tactacagt	ctccgcctcc	caggttcaag	caattctcct	17220
gcctcagcct	cctgagtagt	tgggattaca	ggcaccacc	accacgctg	gctaattttt	17280
gtatttttag	tagagatgga	gtttcaccac	attggccagg	ctggtctcga	actcctgact	17340
tcaggtgaac	caccacacct	ggcctccgaa	agtgtgggaa	ttacaggcgt	gagccgctgc	17400
gtccggccta	aaaatcacc	taaaaggata	ccgttttcat	tgagcagctg	ctctctttcc	17460
gcctccctgt	agccctggc	aaccactact	tagcattctg	tctctgtaga	tctacctact	17520
ctggatactt	catataaatg	gaatcataga	attaattatg	tgacctttgg	tgtcttactc	17580
ccttcactta	gcataatgtt	tttatttatt	tatttatttt	tttgagacag	agtctcgctg	17640
tcgcccaggc	tggagtgcag	tggggcgatc	tcggtcact	gcaggctccg	ccccctgggg	17700
ttcacgccat	tctcctgcct	cagcctcccg	cacagctggg	actacaggcg	cccgccacca	17760
cgcccagcta	attttttgta	tttttagtag	agacggggtt	tcaccgtgtt	agccaggatg	17820
gtctcgatct	cctgaccttg	tgatccgccc	gcctcggcct	cccaaagtgt	tgggattaca	17880
ggcgtgagcc	accgctcctg	gccttttagca	taatgttttt	aaggttcatc	caccttgtag	17940
tgtgtatcat	tacttcgttc	ctctttatgg	tgggaataata	ctccgttgtt	ttgatataatc	18000
acattttgtt	tatccattca	ttgtttgttg	gacatttagg	ttgtttccac	cttttgtcta	18060
tcatgagtca	tgctgttgtg	aacatgctgg	tacatccaat	tgtttatctg	tttttatttc	18120
ttttgggtgt	atacctagga	atagaattgc	tgggtcatat	ggtaactctg	cttaccattt	18180
gaggagctgt	cagacttttc	catagcagct	gaatcatatg	acttttcacc	gacaccatac	18240
gaatgttccc	atcttcttgca	tccttgctga	ctctttcttt	ctgtgttgta	gtcatcctgg	18300



tgggtgtgaa	gtgggggtac	ttcattgtgg	ttttgatttg	catttcctaa	atgatcacgt	18360
acttattggc	cgtttgtaaa	tcttctttgg	agaaatgtct	atlttgagtcc	tttgtccagt	18420
tttcaattgg	gctgtttgtg	tctattttctt	gtagagttgt	aaagggttttc	tatacattgt	18480
agatacttgg	gataatattg	aatctataga	tcaattgggg	aagaattgcc	atcttaacac	18540
tattgagttt	tcaagttcat	gaatatggaa	catctctcta	tttattcagg	acttatttaa	18600
tttttcagtt	gtgttcctat	ttagtagata	gcttgtgttt	cgccacagat	gttattggaa	18660
ggatattatt	gaggcaggaa	ggaaaatgga	aaggaaagtaa	tatttctcat	caccttgaaa	18720
acggcagcta	gtgaaatgac	cgaatttttag	ttggaattca	gcaatgaaat	ttggattcaa	18780
cagtgaaact	tagaaaaaat	tttatgggtg	gttagttcaa	acctaataca	aataatcttt	18840
taaaaagtat	tctggttcct	aacaaagcgc	ctgtactttt	ttgactcttt	ctctgtgaga	18900
actttattct	aggtagattt	tttagcaggg	tatgtgtgcc	agttttttgt	taccacactt	18960
gaggtaaaga	ctgtaattac	attgtcaaaa	taatatttag	agtattattt	tcagggata	19020
attgcagtgg	tatgacgaat	atattatgcc	catcaaattt	tatgtaaaca	caagcatgag	19080
ttattttaat	tgagttattg	gtgttggttt	tggcctttat	tctttcttac	tctgtaaaaa	19140
taatgttggg	atlttttgagg	gtcttcataa	catttgcagt	atltacataa	agatcagttg	19200
ataagctggt	tggtaaaagta	aactgtcatt	tgtacctgtc	tggagttttc	ttttcttgtg	19260
tctgggacat	ctttaagcct	tttctttttc	agaattgtgt	tctgatcctg	agcattaatc	19320
ttatgtgcct	gatgagttgt	tggatcagtt	ggtttttcaga	tcaacctata	ctgttggctt	19380
tttgcagtgt	cagttttata	cagatctgag	tgttaaatatt	ctaaaatatt	cagtagaaat	19440
cttttttttt	ttctttttct	ttcttttttt	tttttttttt	tttgagacag	ggtctgggtc	19500
tgtctccccg	gctggatgca	gtggcttaat	cttggctcac	tggaaacctcc	acctctggg	19560
ttcaagcaat	tctccctgcc	tcagcctcct	aagtgcgtgg	gattacagac	gccttccacc	19620
acgcctggct	aattttttgtg	ttttcagtag	tgacgggggt	tcatcacgtt	ggccaggctg	19680
gtctcgaact	cctgacctca	ggtgatccgc	acccccctcg	tcttcccaga	gtgctgggat	19740
tacgggtgtg	agccactgca	cccaggcaat	aagttaatta	atltttgtatg	tagagtatat	19800
tgtttttgga	aggcatatta	atlttttttt	ttttttttga	gacagagtct	cactctgtct	19860
cccaggctgg	agtgcagtgg	cgtgatcttg	gccactgca	acctctgcct	cccaggttca	19920
agcaattctc	atgccccagc	ctcccaagta	atlttttttt	cttttagtag	agatgggggt	19980
ttgacatatt	ggccaggctg	gtcttgaact	cctggcctca	agtgatccac	ccgccttggc	20040
ctcccaaagt	gctgggatta	caggcgtgag	ccgccgctcc	cagccatggc	atattcatgt	20100
tattcccaaa	gtgaacttgt	ggagacagac	tttaattttt	aaaagaagca	agcagaaact	20160
ttctgtttaa	taacatggag	aatatttctt	aagatgcatt	tatttattgt	gtttaatcat	20220
ttattttatt	atlttataact	tttatatatt	cttagctttt	cgctgtggcc	tgcagttttt	20280
aggcaacatt	gcctcacgga	atgaagattc	ccagtctatt	gtttgggtgc	atgctttccc	20340
agaactgttt	ttgtgagtat	attgataagc	atltttctaa	cttgtgagaa	gattgtggct	20400
atatttttcc	atltttatata	aagttcgaaa	acaggaaaaa	gtaaccact	gtaatagagt	20460
tcaggatagt	agttgttctt	ggtgggtggg	taccagctgg	gagagggcac	tagggaaaca	20520
cctgggtcct	ggaagtgttc	gtctatatct	tgaccttgg	ggtgggttaca	tggatgtata	20580
catatccaaa	ctttgttcat	tgagctgtat	gtacacttaa	gatttatgcc	cttgattgta	20640
tatcagttta	cttttacaaa	aataaaagtc	tggataaagt	aagtaatatt	gttaaggaca	20700
ctgaaattta	taagaaacac	aattaaaata	gagcatcaaa	gtatgggcaa	tgaattaaaa	20760
ttgtttatgt	attgaatact	gatatgctga	gcacaatgct	gtatgttttg	gaagataaga	20820
agaagatgtg	gataaacaat	cagtttatcc	atgtaagaag	tgagtaacca	gtccatttat	20880
cagtgtgaaga	tgtgggtaac	cattccattt	gtctcgattg	gatcctggta	ctttttctgg	20940
tgattctact	tcttaaaaaac	cagctctgtt	cataagaaat	tgagcattga	ggtaaaaagg	21000
gagcagggaa	tagagtcagt	atacctagta	ggaaaggcac	agtctgggag	tgggagacct	21060
ggctttgaat	ctaggctttg	gtgccaatga	atggggtgac	tttgatgggt	gcaacagtat	21120
aagcagcaca	gcagggtagc	agctgtttgt	tacataccct	gaactgggca	ttatccgtat	21180
atltttttctg	ttctcacaat	agcctgcaga	gtaagtgtta	ctgtctcccc	atlttgacag	21240
atgagagacc	tgaagctcat	cactggtaaa	tggcagaggt	agagtgtaaa	cccatgtctg	21300
ccatctggat	ctaaagccta	tctatgctca	ttgtaaatac	tgtgctgctt	aaattccgta	21360
atgcccttcc	ttgttgtaca	gctttcctgg	gctcctctgt	gaagtatagc	gttaagatgg	21420
gataaactct	aattcacctg	tagctcatgg	aatttctcaa	attcctgcaa	ataattaaga	21480
gttgaagggtg	tatatatatt	aatgttacat	atattaatga	tatttgagct	taggtggaag	21540

aagagaatta	cgaaattcaa	gctacagaaa	taggcattgc	ttatttttga	gaattcattc	21600
ccttaaaacg	ttttggatac	ctaatactcg	ccaggttttg	ggatagatga	ttagaatgtg	21660
gtggtaactt	atatactcgt	tattcctgaa	ggatttcatt	ccttggttgg	ggaagtaaag	21720
gaacaggcac	atagggtgtg	atgtaagaac	taaggtaatt	agggcaaate	caggggtgtg	21780
tagaaaaaca	agggagaggc	ttaagtgtag	gtcagtcaga	gaagtcttaa	cagtttacat	21840
gttgctttta	gatgatctca	tttgatcgtc	attaaaaacc	ctgtgaaata	gaggttttgt	21900
tattgtattt	tattttttat	accagaaaac	atattaagag	aggttccttg	ccttcacttt	21960
ttatgcattt	atgggacaga	tataaccaaa	tttgaattcc	agttttgtca	ggtgctggct	22020
ttgtgctatt	ggccaagtga	agctaacaaa	ttctttatct	gaaatagatg	aataatacct	22080
ccttcagaag	agtattatga	agtttaaagt	aaaaaaaatc	ctgccatatt	gcataaccga	22140
tgatataatt	gacaatcaat	atgtcagtga	ccttccccag	gtcacctggc	tgatagctag	22200
aggagctagg	agttatagcg	aggctcctga	ctccaaattc	tatttccttg	cccactatac	22260
catctctcct	gtaggcatct	tgccccctaa	gactattaaa	gcagtgccag	cagtcattga	22320
ggtatcattt	tgtacctgtc	gattttttct	ttctaacaag	aatgaacatt	ttaatgtttt	22380
ataaatgtaa	tcattctaat	cctttctctc	aatggtaagt	tatttgcctt	ttgccttctg	22440
agttctatgt	caacttcaac	tttaatatatt	tggatacttt	ttattgtgac	taagtttata	22500
tttactattt	ttacagtaaa	taactctactt	attttaaagt	gctataattc	taaatcctca	22560
aaagtattag	catgtagtga	atttgacaat	ggtattactg	ttatttttgt	gttttatcat	22620
gttactaaat	tgggctaaca	atctcatttc	ccttgtttga	aggtccttgc	taaatcatcc	22680
ggacaaaaaa	attgttgccct	actcttcaat	gattttgttt	acatccctta	atcatgaaag	22740
aatgaaagaa	ctggaggaga	acctcaatat	tgcaattgat	gtcatagatg	ccttaccaaa	22800
acatcctgaa	tcagaatggc	cgtaagtatc	ttgttagaaa	tttgattgct	ttgggggcac	22860
ctgacagatc	actttccttg	cagaggtttt	aagtaaaaaa	ttggacattg	tgataaattga	22920
acgataagtt	aaaacttaac	atgtgttgac	agaattagag	aagattttga	gcagaatcta	22980
gagaacttgt	gaatgaggtg	aataaaagtga	ggcttgaatt	gagcctttta	ggacaaagag	23040
aattccttaa	ggtggtgagg	agcgggaaag	acattccttg	tgtatgaaaa	aacagtgtga	23100
aatgccccagg	cacctttgga	gtgcacagat	aagactgttg	tggctgcagt	agctagtcca	23160
ttagatcaga	ggttggtgcg	agccttgtaa	gcactgtgtc	agatgagata	gagactgcca	23220
ttcaaattgc	ccccgatac	ataatgtact	gccacccttc	atacataatg	tgttatttct	23280
ctgtgattgc	ttttaagatt	tttctttgtc	ttttcagagg	ttaattatgg	tattggcata	23340
gatttccttg	ggtttactct	ttttggggtt	tcctcaactt	cctgaatcag	tagattttatg	23400
tcttttgcca	aattggggaa	gttaattttg	aaaattttcg	ctgttatttg	tttgaatact	23460
ttttttcagg	cccttggtct	ctctccactt	cctctgggac	tccatgtttt	aggcgcacac	23520
acagtcceaag	gcaggggcaa	ggctgtggct	caactgatgg	gactgtgaaa	ataatacaag	23580
ttacaacaat	ctacttttag	gttttagacag	tttgttactt	atatagacag	agaaaagaag	23640
aagccaaagg	ggccagctcc	tcctgatcct	tgtcccagac	accacaaaga	cctggatgat	23700
taggatatga	attgtgaggt	atcccactcc	tgaggaggcc	ttcttgactg	tttaaagagg	23760
catttatatgc	taagaggggc	aaggcagaaa	gctctgtacc	tcattagcac	caaactcatt	23820
agaacctgtc	ccatgacagc	ctcccctagg	agacagaaga	gcaaaaagga	tacagcctca	23880
gaagcctcag	gccccctcca	tctcgggttc	caggaggatc	acaagctatt	cagcaggcaa	23940
gactcagatt	agccgctgtt	caagctctgg	catgcatggt	atatatggat	acatccaagg	24000
tcaccagggc	actatgtgga	gctgttcccc	tagactctga	agatacaagt	gttagtcttc	24060
tgttgttgtt	ttgtaagtgc	ctgaggctct	gttcagtgtc	tttttttttt	ttttccagtc	24120
cattttctct	ccttgccagt	actacagtgt	ccttgattacc	gtaattttat	agtaaatttt	24180
gaaatcagga	agtgtgagtt	ttccaacttt	gttctttttc	agttttgttg	tcctgggtcc	24240
cctctgtttc	catattaatt	ttaggatcaa	ccttttcaatt	tgttaaaaaa	aaaaaacagc	24300
tggaattttg	ataagaatta	catgaatctg	tagaccacct	tgggggaata	ttgccatctt	24360
acctagatta	agtgttccaa	tccatgaata	gaggatatcc	atttatttat	ttaggccttt	24420
taaattttcg	tcagttatgt	tttgtagttt	ttagtctatg	agttttgggt	gtcgttagtt	24480
cagttttatc	taagtatttt	attccttttg	atgggtattgc	aaatggaagt	ccttcatttt	24540
tggattgttc	attgctaatt	tgtagaaata	caactgattt	ttgtatatta	atccttatatc	24600
ctgcaatctt	tcttcttgaa	cctattttata	gttttagtag	atttttttgt	gtacgtgatt	24660
ccttaggattt	tttctgtaca	ggaccgtgcc	atctgcaagt	aggtaaatatt	tttttctttc	24720
cagttggggt	gccttttctt	tcttttctct	gcctagtgtc	cctgactgga	aattccaata	24780

caatgttgag	tagaattggg	gagagcagac	atatgtttct	tatttaagat	cttagtgggg	24840
cagtccttca	gtgtgctgtt	gcctgtgggg	ttttctaaga	agcccttgct	caggatgata	24900
aacttttctt	ctacttctac	tgattttctt	ttacttggtg	aatgttttta	ttatgaaagt	24960
ctattttatc	aaatataatt	tgtgtctgtt	gagatagtca	tatggctttg	tcttttagtc	25020
tattaatact	ttgtctaaca	gtgattttta	tactttaaat	caactttgga	ttcctgagat	25080
aaatcctact	tgttcatagt	gtataatcct	ttttatatgt	tgctggattc	ggttcatatt	25140
ttgttgggga	tttttgaatc	tatattcata	aggcatattg	gtttgtagct	tttttttctt	25200
tttgtgattt	ctttttctgg	ttttggatc	aggtaaatac	tgactttaca	gaatgaggtc	25260
ttgttttggt	ttgtttttgg	aagactgtaa	aggatcggtg	ttcatcttta	aatatgtggg	25320
agaattcact	ggggaagcca	tctggctctg	ggctttttat	catgggaagg	gttttggtta	25380
ctaattcaaa	cctgttactt	gttacaggtc	ttgggttttt	tttttgagac	ggagtctcac	25440
tctgttgccc	aggctggagt	gcagtgggtc	gatctcggct	cactgcaacc	tccgcctctt	25500
gggttcaagc	aattctctgc	ctcagtcctc	tgaatagctg	ggattgcagg	tgcccgccac	25560
cacaccgggc	taattttttt	tgtattttta	gtagagacgg	ggtttcacca	tcttggccag	25620
gttggatttg	aactccta	ctcatgagcc	acctgcctca	gcctcccaa	gtgctgggat	25680
tacaggcgtg	agccaccgcg	cccggcctcc	acttggtacg	ggctctattca	gattgtgtgc	25740
ttcttggggt	ggttttggta	gtttgtgtct	ttctaggaat	ttgcctgttt	ggcttagggc	25800
gggggtcctc	cagccccga	cctgtggact	ggtagctgtc	catggcctgt	taggaacagg	25860
accacatagc	acaagataag	cagcaggcaa	gcaagcattc	ctgcctgagc	gccacttctt	25920
gtcagatcat	cagccacatt	cgattctctt	aggagcaca	acctgttgt	gaactgcgca	25980
tgcgagggat	ctaggtctca	cactccttat	gagaatctat	tacaactaat	gcctgttgat	26040
ctgaggtaga	acagtttctt	cctgaaaccg	tccccacc	cctgtctatg	gaaaaattgt	26100
ctttcatgaa	accagtccct	gggtgccaaa	aggttgggga	ccactgggtc	aggctgtcta	26160
atttgttggc	acaaattggt	aatagaccct	tagaattttt	ttatttttgt	aagattggta	26220
ggaatgtccc	ctcttcattc	ctgatttttg	taatttgagt	cttctctttt	ttcttgttca	26280
ctatagctaa	aggtttggtt	gagtttttgc	tcttttcgga	gaaccaactt	ttggttttgt	26340
tgattttctt	tacagttatt	ctctattttc	tttctttttg	ctgtaatctt	tattatattc	26400
tttcttctgc	gtgctttggg	tttggtttgc	tcttcttttt	ctagtttctc	aagatggaag	26460
gttaggttac	tgatatgaga	tcttctgtct	tttttacata	ggcattttaca	tctacaaatt	26520
tcctggtagg	aactacttta	gcatcccata	atttaggatt	ctgtaaattt	tggtgtttgt	26580
gcttttactt	tcattttatt	caaattatag	tccaatttcc	tttgtgacct	attggttatt	26640
tgggagtttg	ttgtttaatt	tccacatatt	tgtttcta	tttattccat	gtggccagag	26700
aaccactttt	atatgatatt	attctttttg	acattaccta	ggcttctttt	atggcctgac	26760
atgtggctct	tcatagagaa	tgttccatgt	acacttgaat	agaatgtgta	tgctgctggg	26820
tttgggtggc	tgttctgtag	atatctatta	ggctctgggt	gctagatggg	tgatagtgtt	26880
gtttaaatct	tctgttttct	tgctgatctt	ctgttctagt	tcttttcatt	attgaaagtg	26940
aattattgtg	cattttttcc	ttcagttctg	tcagtttttg	cttcccttat	tttcatgctc	27000
tgtaaagtac	acacacacat	gttttatatt	attattgtta	taccttcttg	atgcattgac	27060
cctttctcat	tataaaaatt	atcacaaaatt	ttgttgttta	tgttttaaca	atatcctgtt	27120
ttttaaaaaa	tctatttttt	catatctttt	gcacatagta	gtcagtgtgt	gattaggcca	27180
cagattttct	ccagggagta	agccttgagc	acctgtaate	ccacttgcac	tcacagggtg	27240
ggtagtagct	ttttcaattt	tggttctctg	cagtgttaate	ttttatcatt	ctattgaaat	27300
tataccta	tttgaaatta	tttctttttc	tgaatattca	tttgtatttc	aattaagatt	27360
tacaaacaaa	cagaagttag	tacatacaat	aatatgatgt	gtttaactta	gaaaacttcc	27420
ctttgtatgc	aatgttaaca	tgacaggatc	aatcattaga	gtcaacttac	ttagagaaat	27480
tttctgtagc	tgagttctgt	tttatttggg	gagtaccttg	ggctctgtatt	ttaatcatct	27540
gcagtttttt	tttagcagct	tggaataaag	ggcaaaaggg	cataaagggc	aaaatataaa	27600
atctgtttta	tataatataa	tatgatataa	tataatataa	tataataata	gctcaagtta	27660
aagggtattag	agaccactag	aaggaattca	gaaaggaaca	aaggatggat	ctagtagtgg	27720
ttaaatgatc	acttctgcag	tccaggtgcg	gaatactttg	atttatgtga	gaggaaactc	27780
acatttggtg	acaaacaatg	agatcacaga	atatccagag	gcttctgacg	aaattgttgt	27840
ttttgctgtt	aatataaac	tcatccctgg	aaattggaga	aaaccactt	tctgcctttt	27900
ttcttcccta	catttttagga	gataggtggc	aaataataca	aaactacatg	gtcttagaat	27960
tcatggtttc	attatgtttt	cttttcttcc	tttgccttgt	tcttagaaaa	gggcaaatgt	28020

gattccaata	actttggggt	tttttatttg	agtatactag	agacacagga	aagtgtaggc	28080
gagaaagtct	ttggcactac	ttggtttgaa	ttattgggat	aatgtctttc	taaaaatgtc	28140
tgttcttttg	tttgtaggtg	tgaaagatgt	tttcatgctc	ttagataacc	ctagatgaat	28200
ccagggattc	tattttgagt	tcatctaaat	ctgaaagtcc	agtaaatgtg	cactggtagg	28260
ttaggtcagt	cagtcagaaa	ttacacagta	gaggaagagg	taggactgcc	tcgtgctgat	28320
cctgtgatgt	gttggttgct	ttgtctgtgt	aatctcattt	tcacattgct	gccatcctgt	28380
gaattgtatt	ttgtactat	gtacctatga	aagttaagca	gagtaaacca	gtctgacaaa	28440
ggtcacacaa	ctagcatata	gcagaggcag	cattgcaagt	gatgccaaac	tcgagggcct	28500
atccccattt	tattaatacc	atgtcatgtg	ttatgaaaat	taccgatttt	cagagaggag	28560
gtctgcattt	caaagggtgag	gcatgaactc	ttttcagttt	tagcctcttt	tgggtgtaaac	28620
tttttctttt	tgagacagag	tctcactctg	ttgccagggc	tggagtgcag	tgggtgtgatc	28680
ttgactcact	gcaacctctg	cctcccgggt	tcaagtgatt	ctcccatctc	agccccctga	28740
gtagccagga	ctacaggcgt	gcgccaccac	gcctggctaa	ttttttgtat	ttttggtaga	28800
gatgggggtt	catcatgtca	gccagcctgg	tcttgaaactc	ctgacctcag	gtgatctccc	28860
cgctgtctc	ccaaagtgtc	gggattacag	gcatgagcca	ccgtgcccac	ctaaactttt	28920
attaatccat	tgaacttttt	accagtttct	actacaaaaa	tgaagttata	actgggagca	28980
aagcattctt	ttttgttagt	atttgggtta	tctagttgat	ttattttgta	ttctctaggg	29040
atgtgtcttg	ccttatgtcat	gtacatttta	ttatcagctt	aagtgttaaca	atattaggaa	29100
gataaacata	attgtccatc	ctcttgacgt	ctgaatctgt	tgccccctct	ctgttcgcgc	29160
acaacagcca	tgcatccac	tttcatggca	cttagcgcat	ttaattgtcc	attagactgt	29220
gagctccctg	taaggcagga	tttagtggtg	tttgttattg	gatctttaac	aagataatat	29280
ctggcatgtg	ataagcatta	ttttagtcat	gattcttctg	aatctaagtg	actgaagtcc	29340
acttcagatg	gtttatgcac	ataaagggat	ttattggctt	atgcaactga	aaaattccag	29400
ggtcattggg	tgaaggcacg	gtgaatccag	ggctgaaaga	tgtcatcagt	atctgtctca	29460
tctttgtctc	atttttctcc	tgtgctggct	ttgttgtaag	gcacatttcc	tgcttcctgt	29520
gttggctcct	gttcttgccct	actcaggggt	ggcatggccc	acggctgggtc	ctcagaccac	29580
tcttctccat	tattgtctcat	tctctgggtg	acctcatctc	ataccacagc	tttaaatacc	29640
tcttctaaat	tgatgatttc	cacattttatg	tttctggcct	tgatctcttg	ctgaagctct	29700
aggtttacat	atacagcttc	ctattatgtg	cttctaattg	gcatctgaaa	tgtatgaagg	29760
ctgcgtccaa	acttttgatt	tccccacac	ataacacctc	ctgttactct	accaatgttt	29820
atccttcagt	aactgggtacc	accattttact	cgtttgctga	ggcctggaac	ctgagtcctg	29880
attttctttc	actctcaccc	acttatactc	attagcccta	tcttcaaaag	gtgttcacac	29940
ttcacctact	tcatgcctcc	tctgccatag	acatctttca	ttgctactgc	cagaactttc	30000
ttactcatct	ttctgtctct	ccttttgccc	tctgaatcat	cacacagtag	ccagagtgc	30060
cttttaaaaa	ttactgtagc	tggtgtcact	ccttgcttaa	ataaaccatt	cagtgccttc	30120
ttattgcaac	ctagaagcaa	atccaaagta	cctgtcatgt	cctggcgtct	gactgaccac	30180
ctcatcttat	ttcttactac	ttttactcct	gctccttagt	tccatctggg	cttactgttt	30240
ttctttgaat	actccaagtt	tggtctgtcc	tgaatcttta	catcgcgtgt	ctttctgcat	30300
ggaaccttcc	tttagatctt	cccatggcta	gctcttttag	gtctctgttc	aaatatctat	30360
catttcgact	gagagacctt	cccagcactt	tatgttcagt	agtgtttcct	gtaaaccctg	30420
atcgctttac	tctcttttat	tcatgtgttt	aatagcactt	accactatcg	aacattatac	30480
aaatcttatt	tgctttcttg	tttattgttg	gttgctagaa	tgtaggacta	gctccataag	30540
gccctggagt	ttgtcctggg	catcattcta	tccaaagcac	ctagaacatg	tggtgacaaa	30600
ctatggccca	tgggtctgaat	ccggcccact	gcttcttttt	ataaataaag	ttttattgga	30660
acacagccaa	gcttgtttat	ctattgtcta	cggctgcttt	catgtaacag	tggcagagtt	30720
gagtagttgt	gacagagacc	atttggcctg	caaagcttaa	agtatttctt	gtctggccct	30780
ttatggaaaa	gtttgccaac	cccatccatt	gaagggtttt	tggtagtagt	atttgttgaa	30840
taagtctggg	gattgggtggc	atcggtgtcc	ttcagtcact	tcaggcttat	ctgaagcaga	30900
taagcctggg	tctcctgaac	cagataagac	tttgggtgaga	gacccccaaa	gggtctgtat	30960
cgttgttctc	tagaactcta	tacaggcttc	ttcatttttac	atcagcaatc	tattcctgaa	31020
aatcagacat	tctgtgcaaa	aaagtgactg	agagcctact	tccttcttaa	aaatggggac	31080
attataaaat	gttacatgtc	tacccaaaac	cccagtcagt	gtcttaaaat	agaatcaaac	31140
taaaatacta	ttcagcaata	aaaaggaaca	agtgttggtg	caagccataa	cttggggaaga	31200
tctcatggta	attatagcag	agtgaaaaaa	aaaagccaat	gaatcccca	aggttaaata	31260

atgtatcatt	ccatttacat	gacattcttg	aaatgacaaa	attacagaaa	tggagaacgg	31320
attagtggtt	gtcggggatt	gaggaaggat	gctggagtta	taggcgggtg	aacctgcaaa	31380
aggggtgccc	aaccgttctg	gctctcacct	gtgagagggg	atctgtgacc	ctgcattatt	31440
aagttacaga	gagctaaaga	catgcacaca	gctactcctg	agtaaaggca	caagttaacc	31500
tgggaaacct	gagtaagatc	cgcacatcgt	gtcactgtca	gcatctgggt	tgtcacatac	31560
tatagtttta	cagatgttac	cattggggaa	aactgggtaa	gggtacacag	aatctctctt	31620
gtgtttttgta	aaactgcgtg	tgcactctaca	atgatctcaa	aataaaaaata	tttaattaaa	31680
aaaaacccaa	actcggtaaa	gcacctgtgt	atataacaga	ctatcatggt	aggatgtgca	31740
ctgcttaaaa	catttctttc	tgattgccat	agaattagta	tagttgtcag	cagacagttg	31800
gctttgtatg	cgggaacatg	gagcctctta	atgccaccat	tatgccagaa	gtgcttctta	31860
aatgtctgta	cacagttctg	actttttacc	aacagtgtat	ggaatgcate	ttgtgatttt	31920
gtgtatacgt	gtatcttttt			igaa	tataaaaaaa	31980
agtttctttc	gtaa			aat	tagaaacaaa	32040
gagtaataa	ccag			ttg	ggtcacattg	32100
tcatccctgg	ggca			tcc	cctgggggca	32160
cagcgtgtca	ggtt			ttg	ggctcattct	32220
tgaaggaaaa	agaa			ctg	aacaggggaa	32280
aaagtggcag	atat			tcc	ttttcattat	32340
ctgcttttgc	ttca			gtt	ggagttagaat	32400
tctgatacat	tatt			tga	agggtagaca	32460
gcgtagccag	tgte			ccc	agctctttct	32520
gagacaaaa	tttg			gag	gacgacatta	32580
aaggaagggt	ggct			tgc	ctggcacatg	32640
tagattcagg	aaat			tct	tctagtagag	32700
gaagcatcgc	catt			cta	ctcacgttta	32760
accggttga	aatg			att	ttctagacca	32820
gctttgtgaag	cttt			gat	ttcccagatc	32880
tcacaacaaa	ggag			aaa	atgtgtttat	32940
gaggtataaa	aaca			tta	ctcatgttgt	33000
gagtatagca	tgcctctctg	agcagctcgt	ggatctggat	aatagatgac	cttcattaaa	33060
aaaaaaattt	ccctgaaacc	ccccgtcttt	aggactgtct	ctgtttactg	gtgaggagtt	33120
cgcctttcgc	tgtctgttgg	catgtgtctc	tccatgcccc	cacaggtgac	ctttactacc	33180
ttctattttg	tatatcagta	ttgtaatgca	gatgctgatt	catctgcctg	caactgttca	33240
cgtactttta	aatcaatcat	aaatgagaaa	gattgagaga	aggaaaaaga	tgagaagaga	33300
gaccttcatg	cattttgttt	tttggcaagt	gtggaaaatg	atgtaaaagt	tagttagtgc	33360
tttggcatca	acaatgtgat	ttgtgaatgt	tagcttttct	gtgatgacat	ttaaatgatg	33420
aatttcaaga	ttaaactgag	gagttcctta	ggcgaactta	cagagttctc	ctatatgacc	33480
gttctctgct	cttaaagcct	gaggagccag	gttcatctga	atggacttct	caccaagatg	33540
cagaaatact	gtcactcttt	agcagaatgg	ttattaagta	gaacgaagtg	tgagcttact	33600
ttgcctgtat	atattgctta	cattacatac	tgaattattt	gatagactat	atgtggttca	33660
gatatacaaaa	tgcatagttt	acccccagcc	gtttacctag	ttcttccaac	cacaaccctt	33720
acttctcccc	acactgttgg	gctttttgct	tttttacta	aatagtacat	ttctgagatc	33780
tttccatatt	cctatataaa	gactttctct	agttaaagat	ctttcattgt	atgaatatac	33840
caggattttat	ttcatcagtc	tcttctctat	gggcattctg	attgtttccg	ttttttcacg	33900
actagaagct	actgccatga	atagccttgg	ttgcacatgt	catatcgcat	gtggacaagt	33960
aatgattgta	gaataaattc	ataagtgcac	ttctgggtca	aaaggaatgt	actgttataa	34020
ttttgacaaa	cacttcaggt	tgctcttcat	cgtattgtg	ccagtgtcaa	ctccccgtc	34080
ccacatcatt	gctaacagtg	ttagcaagat	ttggatttgc	cagttctgcc	aaggtgtaaa	34140
ccggccttct	tgcacagttt	tatttctgtat	ttttcttatg	agttggagaa	cctttttttt	34200
cttttatgtg	tattctaatt	ttctttacct	atttttctat	tgggggtattg	atctttatca	34260
gtgtatagga	gtattttcta	gattagggat	atcacccatc	atataaaata	aaatacatgt	34320
atttttctgt	ttttgtattt	tgactttggt	cgtgggtattt	tattttttat	ttttttgaga	34380
cagcgtctct	gtcactcagg	ctggagtgc	gtgggtgcaat	catggctcac	tgcagcctca	34440
atctcccagg	ctcaagtaat	cttccctcct	cagccctactg	agaagctggg	atcgaggtg	34500

Bottom  
Portion

cataccaccg	cacctggctg	attaattttt	tattttgtag	agatgggggc	tcactatggt	34560
gccagagctg	gtcttgaagt	cctggcctta	agcagtcctt	ccaccttggc	ctcccaaagt	34620
gctgggaata	caggtgtgag	ccactgtgtc	cagccatatg	atactttttt	atgtaaaagt	34680
ttttgatttt	tttagtagat	gaattaatca	gtctttttaa	aaaatgtgtt	ccgtagtttt	34740
gataatagct	ataaaggcct	ttcctctacc	aaggctttct	tctagtatat	catttcaatt	34800
ttgtttgttt	agtatttgat	ttacttggaa	tttatgttgg	tttaaagggt	gcagtgtgga	34860
ttcactctca	tttttgtttc	tgatgatgct	gggtggcccc	gcaacagagc	actgtcatgg	34920
ctgagacctg	tcttcccttc	tcctccgtcc	ttgccctagt	ccctataccc	ttactgctcc	34980
atccatggac	aactttttta	cttcaacttt	tgcttcctaa	ccacgcattc	cagcatgcag	35040
aactcagtc	ttccttttac	atgtctcagt	tctactattt	taagtccttg	aggattttat	35100
gaacatattg	atcaaatac	atttattgaa	catttgtag	gagatttttg	gtttttcaag	35160
aagaaaattt	ccaaagtga	gcagaccag	tctgttgccc	actgtttaaa	aactgtttat	35220
atatattgtc	tgggtttatg	ttgtttaagg	tagggggtaa	attgttattc	cattatgcc	35280
agaagcagaa	gcgatagtgt	gagattttaa	cacctgcttt	tcagccatgg	gcaggactca	35340
tagacaaata	tcagtataga	ctgatgtttt	atacattata	taaacatgat	gatatggatc	35400
aagtttgtcc	aacctgcagg	ccgcagtcag	cccaggatgg	ctttgaatgc	tacctaacac	35460
aaatttgtga	actttcttat	aacatgagtt	gtttttgtta	tttgctgttg	ttgttgttgt	35520
taagctcatt	agctattctt	agtataattt	atctgtgccc	caagacaatt	cttcttcag	35580
tgtggcccag	ggaagccaaa	agattggaca	ccgctgatac	agatgatctt	ggtagtactg	35640
tcgtaggtag	ccaccttcac	ctgagtgata	tttatagacc	ttcccttagt	acttccaaac	35700
tccactttct	tttcacctgc	atgtgtcatg	ttcactaagg	tagaccatag	gctggcctgt	35760
acaaaagt	cagtaaatgt	gtaagggtat	gaaatcatag	agcacattct	cttactcata	35820
agatgatttc	tagaaaaatt	ccaaactttt	ggaaattaac	acatctgatt	gatttgtcaa	35880
aaaagaaatc	acaggcaaat	tgaaaaatat	tttgacctga	agtaccaagt	tttgtgggat	35940
aaagcaaaag	cagccaagt	tgggtggctca	tgcctgtaac	cccagcactt	tgggagtcgt	36000
agaagggagg	atagcttgag	gccaggagtt	caagaccagc	cagagcaaca	tagtaagaca	36060
ctgtctctgc	caaaaaata	aaaataaaaa	aagctgcgta	tgggtggcaca	tgctgttagt	36120
tctatctact	tgagagactg	aggtgggaaa	attattcgaa	cctagaagtt	tgagggtgca	36180
gtgagctatg	atcgcacaac	tgcactccag	ctaggtgaca	gagcgagacc	ccatgtctta	36240
aaaagacaac	aaaaacgaaa	gcggcgctta	gaggagagct	tattgctttg	agtgtctcct	36300
tttttttttt	tttttttgga	gatagagtct	tgctctgtcg	cccatgctgg	agtgcattga	36360
gtgcagtggc	atgatcttgg	ctcactgcaa	cctctgcctc	ctgtgttcaa	gtgattctca	36420
tacctctgcc	tcccagtag	ttgggattac	aggcatgcac	caccacatcc	aactattttt	36480
tttgtgtgtt	tttggtagcg	atggggtttc	actatgctgt	gttggccagg	ctggctctca	36540
actcttgacc	tcaagtaatc	caccacctc	agtctcccaa	gtgctgggat	tacaaggtgt	36600
gagccacggc	ctggaatgtt	tctattaata	aagaaaggtc	tgaaatcagt	gaccacagt	36660
tctactttga	gaggatagaa	aaagaagagc	atagtaagtc	ctgagtaagt	aagaaagaaa	36720
gaaataaaag	atgacagaaa	tcaatgaaac	ataagacaaa	aacaatagaa	aaaattcaca	36780
aaggcaaaag	ttgatctttg	accaacaaaa	ttgatcaaga	aaaaagaaag	agagcactaa	36840
ttaccaacac	tatgaaagaa	tgtgtagtta	tcacatcagt	cttcaataaa	ctcaaactt	36900
ggttgaggca	actttcttca	cctgagacac	tctgaagacc	cacgcttttg	ggtcctgact	36960
tccttttgaa	gccctaatag	tattttgttg	cttgtagtte	cccagacaca	ctgctgttct	37020
ttccttcttg	ctgtttttct	aagtcctttt	tttccctctc	taattttaat	gctatcttct	37080
tttcttctct	ctagggattg	gcgaaatacc	tcctctagcc	tgtttgatct	tcttgcccc	37140
tgtctgtcac	ccctcttgcc	cccagcctat	tggttagata	catttgtttc	tattatataa	37200
tccttaatgt	gtatctgtca	gcacttaaca	tgttcttctg	taaattatct	gactaaatat	37260
gggtctttat	tgtttggaga	atatatttgg	caatatggct	tgtgacttgg	aatattgcgt	37320
ttttgctatt	cttatgggaa	aatgctttta	attctaagta	cctgaattat	gaatgagctt	37380
taagatctca	atthagtttg	tgtatccatc	tgggattgca	tagatttcta	ttgacctgcc	37440
cagattgata	ggaatactgt	ttgagaattt	caaataattat	ccattatttt	taggaatatt	37500
ttacatcaga	gtgttgatca	gctattttta	atgctgtaga	ggaaatagaa	tatgtatttg	37560
gatttcgctt	ttatgtgaag	tgacagtgtg	ttgtagtagt	taatatgctt	catttggtta	37620
tcagactgaa	tatagtttta	ttgtattttt	gtattgttaa	gtgattaaac	tatgtgtcaa	37680
tatatttaac	gcttgcagtc	aatttttatt	actataacct	ggttataatc	agtatattcc	37740

ttagttctta	agtcttttcc	tcagatgccc	tctggtaaat	ataattcata	attaattaat	37800
aatagtgttg	aatcttttta	gttgatcacag	gggtactttg	aagaactatg	cctataatct	37860
ttgccttggg	gtttccataa	gttgatctct	taagttaga	tgagtgcatt	gcttgacaat	37920
gaggatgttt	tcttggtaac	ttgagaattc	ttaaagagtg	aataatcaag	ccagtaatgg	37980
aagtgtgaca	agtctttctc	tggttcatta	tagcagttag	cttctgacta	aaccaattta	38040
atatgttttt	tgtttatacc	tgatcttggt	gctaaatgaa	gaatttttct	ttctcaactt	38100
agataacagc	tatagtagcc	ctgtcttccc	gttgaatcaa	tttaaattat	ttccataaag	38160
ctttcagaag	taaaattgga	gaaaaatatt	tttaggattt	tttttccttt	tagctgctga	38220
tagattaata	gtatgtgaac	cttttaagac	atttaagatt	acagcaaate	aaaaattcac	38280
tgaaaagaaa	tgcttttgtg	tgtaagtggg	gcctataaag	tagataaggg	catgtctctt	38340
ttactatgtt	tcaagtaacc	aaacttttct	cctctttttt	ccctaggttc	ttgattatta	38400
cagacctctt	tctgaaaagc	ccggaattgg	tacaagccat	gtttcccaa	ctgaacaate	38460
aagaaaggta	accccccaac	cagcgtgggc	tggagatttt	agcattccat	atagggtatt	38520
cgatgcacgt	gactgaaaag	ctgtgtgggt	tctgagttgg	cacagaatct	ctaaatacat	38580
gtttctgtgt	tggtaatggg	tttaaattgg	ttggttaaca	ttacagctta	gccacagtag	38640
gcagtgtttt	atggagggtg	gcaggatcca	gggtgggtgcc	attattcagt	aaatgcatat	38700
taagaaaaac	attaagaaca	aaatattatg	catatgcctg	gatttttagaa	tagtaattta	38760
tgtaatgtgt	tattacagtt	gaatatttga	gggtgactca	tttgtttagg	tcatgggtgt	38820
tattatttgt	gatacactct	gctaggtttg	taggtttcta	atggataatt	tggactaaaa	38880
taaaattgac	gcccgtccac	aatgtcacag	ttactgtagt	aggaaaaaca	gtgacctagg	38940
agttctaaga	cactggccct	gtgcttggct	gtgattatag	ttctttatgt	gacctgtgtg	39000
ggattcaggt	tctgtgtgtg	gtgtattttt	tttttttttc	ctaaacctct	atggtaagggt	39060
acaagggtat	cagtttcttg	acctgtaaat	taaggagatt	gaataaataa	tttgcagtac	39120
acttcatttc	aatagaatat	atttttccta	accttattag	aaatgttgcc	ttaggaaaat	39180
aacaaaatat	attcagaaac	tacagatcta	gtgatgaaaa	tctcttaaag	ttgttaatct	39240
tttgattgta	gtcacgagtt	ttagtgggtt	tggacttttt	actttgtatt	taggtttcag	39300
tagttaagct	tttgtacttt	ttgtagtctt	ttattaatta	ggtcattttt	cttctttaat	39360
atctcaaaca	ggaaaagcct	atgcttttaa	agtcatatga	aataccagggt	ttataagttc	39420
aatccagtg	cttctttccc	tatatgtata	ccccattac	agatagagaa	gtattttag	39480
ttttttgacc	taaaagagat	aatacgacat	acagtgtctaa	aaattagtat	tttttttttt	39540
ttgcagtaag	gaacacctga	atacaggaag	aatgcacagt	ttaattgtat	tttaatatct	39600
aagctgatat	tttccatagt	ctatcaaaat	tatctatttt	taaatgggtt	attacataac	39660
tacatggtga	tggtagacta	aaaatgtttt	atttttattg	ataaagttgt	atcagggtgca	39720
tccttacttc	attcaagggt	ctgtctcagtt	gtcacctcct	cttgccccctg	ctttattttt	39780
cttctggagg	agatgagctg	tcatttcatc	acatcattca	ttcatcgtgt	tgtgtcacat	39840
acctgcttgt	tattgtagca	cattttccatt	agattgttgg	cacctgagg	gcaaggattc	39900
atcccttctt	attcttcatt	ccacattttc	agtcagtggt	tggcacacag	cagggtgctca	39960
aaaagaaaaa	aaaatagttt	ttcagtgaag	gcatgagtga	atgaatgaat	attcttactc	40020
aataaagtgt	tcctctagta	tattgattaa	tgtaatctta	tcttctaagt	tgggaagctc	40080
aaggttatac	tcagcttctc	cactttacct	tttcagttca	tactgggtcag	taaaccttat	40140
cagttatact	atcccaagggt	cttatgtatt	tattctcttt	tttgtcacag	ccctagttta	40200
ccctatggaa	tctttgacta	gattttgaca	atagcctttg	tcaaaaaatt	gtggtaaatc	40260
acacataata	taaagttttac	tattgttaacc	tttttttttt	ttttggaaaa	ggtataagac	40320
agggctcttg	tgtgtgttgc	ccaacctaga	gtgcagtggt	tgtctcaag	tgtgatcgta	40380
gtgcactaca	gccccaaagt	cctggcctca	aacaatcttc	ccacctcagc	ctccccagtt	40440
gctgggagta	cgggtgtggg	tcaccatgcc	agactaccat	tgtaaccatt	ttttaatgta	40500
cgggttcagg	gggtgtgaag	atgttcacat	tgtgtgtcag	tgaacctctg	gaactttttc	40560
atcttgtgta	tcagaaactc	tgtacctatt	aacaataaac	tacaatgagg	taccacttga	40620
taccatttag	gatggctact	atcaacaaac	tgaaaagagg	aagtttgggc	aaggatatgg	40680
agaaattgga	accttgtgtc	actgtttatt	tcctactggg	gggaatgtaa	atgggtgcac	40740
tactgtctta	atctgttttc	tgtgtccata	acagagtcct	ggagagtggt	taattttata	40800
agaaaagaaa	tttattttcta	acagtctgag	gctgggaagt	ccaagaacat	ggcactggca	40860
tttgggtagg	gctctcttgc	tgtgttatcc	catgggtgga	gggtgagagg	caagtgagtg	40920
catgtgagca	ttacagagac	acagtcctct	cccttactgt	gagggttaata	accatgtgtt	40980



gttatgtaca	agaatgacag	tgctgtgtaa	attcttaagc	ttttttcttg	tgctagttct	41040
tttcattgtt	gtcaaaatta	gttgacttct	tcaccagag	gctggtagtc	tattcatgca	41100
gattactcgg	tggggaaatt	ttggatatag	actcatcatc	aattcacgtg	gcatgattca	41160
gcaaaaatga	gagcctacat	ttacatactt	gtctgggtctc	ctttccaggt	gaattggagt	41220
gaatattaac	aaattggact	agctgctcgt	ggtaaacagc	ttgtgtagtt	ttcagggtta	41280
tgatctctgt	gtacggcata	gtagttaagg	acagatgcta	gtgctgccgc	ttactacttt	41340
ggataggtta	atgagaataa	tagtagctac	cccatgaaat	tgttatgata	actgattgaa	41400
atgtgtataa	aactctcagt	gcctggcatg	taatggtcac	ccccgtaaac	gtgttgagg	41460
gaagaagata	attgactttg	gcatcagaaa	gagttcaaat	accacctcag	tacctctgta	41520
accaggggca	aataccttaa	tctataacct	gagctattgc	tatttctgct	tccatgctct	41580
tactactatt	actgcaacta	caagtctaac	aactactgct	actatgctga	tgaccttgcc	41640
gttttctcca	ggtagcatca	ccgttatgta	tagaaggcac	catgtagccc	ttgtcattta	41700
atcctcacag	actctgtgaa	ataggtatta	ttcttgacat	tttccaaatt	ggagtctctga	41760
ggcctgtagt	tccagctact	cgggaggcta	agccaggaga	atcactttaa	cttgggaggt	41820
ggaggttgca	gtgagccaag	attgcttcac	tgactccag	cctgggcaac	agagcgagac	41880
tctgtcacat	gaaaaaaca	aacaaaaca	aacaaaacag	gaatcgtaat	tttaaggcag	41940
actatgtaag	tactgtattt	aatcagggga	gaattagaaa	tagaatgcta	atgacagcca	42000
gtgattgaga	gacaaaatta	tggcagcatg	gctctgtttg	gagaggtgtg	tctggtgaac	42060
tcagagcagc	ctgagtgatg	atctctgggt	taaggggagca	agactttcac	accaatgtgt	42120
aataattcta	gacggctgta	gcctctaacc	ccttttagctg	ggtctttcct	acttttgcac	42180
ccttcacacc	acagtgaata	agtcaatgag	taactagcat	ttgtcagacc	acttgtattc	42240
ttttatattt	tcaaggaaga	gatagagggt	tgggtggagt	gtctggtagg	gagaccgta	42300
taccagacta	aagagctttt	agactcattc	cttaacagtg	ggaaccatta	gaaggtttaa	42360
atggcagatg	acttaatgta	agtaggatca	tttaatgaag	gatagtctat	tctgagggtga	42420
tagtcaaact	tagtttgtac	ttttatattt	taaagattca	tttctgactt	tgactgcttc	42480
tttcttttga	aatcactcag	taccacatc	gttagctctc	tcatcttgta	accatataat	42540
aaagctgcac	tatacaggcg	gcatctgctg	ggccaggag	aagttgagcc	agaggaggct	42600
ggcctgtgtg	tcatttgtga	aggaaggcag	tgtgtgcttc	tactcccttt	agcacttgca	42660
gatctccctg	cacctcatcc	gcttggaacc	ccggagtctc	ctgttgctgc	tgaacaactt	42720
tgatttccac	caccttgggg	cccacccttc	ctgtcctcac	ctcaggactg	cccatttggg	42780
atctgcccc	gattcaggat	ctgcactatt	gttcgttttt	tttcttcagt	tgtaatccat	42840
ctgttttctt	tctcatttct	ccacatccct	atctgtggat	accttaacac	tcacaaatct	42900
gataaaatta	ttttcttcta	tttcattacc	tattcaagaa	atagtgaact	aggtgccaaa	42960
ttccctgaag	ccagggatcc	tgacttctta	tacttagcaa	taactgttac	attatgtaat	43020
ccaattttaa	aggaatatat	ttagagtacg	catttggggc	acgtggaata	ggtggcctct	43080
tagcattcct	tgaagtcac	atgtgtgtgt	gtgtttatat	atatatatgt	gtgtgtgtgt	43140
atatatatat	atgtagatag	atccacttat	gatagagata	tatatagata	ggtatatcta	43200
tattttatat	agacataaaa	tttcagtagc	ttttggggta	caagtgggtt	tggtcacatg	43260
gatgggttgt	atagtgggtg	ggttttgggt	acatgggtgg	gttgatatagt	ggtgtgattt	43320
ttgggtcacat	ggatgggttg	tatagtgggt	tggttttggc	tacatggatg	ggttgatatag	43380
tgggtgtgggt	ttgggtcacat	ggatgggttg	tatagtgggt	aagtccggca	ttttagtgca	43440
cctgtcacct	gagcagtgtg	tattatacct	gatagttagt	ttttattcct	taccctcttc	43500
ctaacttccc	gcctgctgag	tctccagtgt	ccattatact	actctgtgtg	cctttgggta	43560
cccatagctt	aactcccact	tgtaagttag	aacatatggt	atgtgatttt	tccatttctg	43620
agttcttcac	ttagaataat	ggcctccaac	tgggcatggt	ggctcacacc	tgtaatccca	43680
gcactttggg	aggtggagga	agtcagatca	cttgagacca	ggagtttgag	actagcctgg	43740
ccagcatgga	gaaaccccg	ctctactaaa	aatacaaaaa	ttagccaggc	gtggtggcgc	43800
ttgcctgtta	tcccagctac	tggggagggt	tgaggcatga	gaattgcttg	aacctgggag	43860
acggagggtg	cagttagatc	acactactgc	actccagcct	aggtgataga	gtgagaccct	43920
gtctcaaaaa	aaaaaaaaaat	aaaaggcttc	cagctccatc	caagttgctg	cataagacat	43980
tatttcatte	ttttttatgg	ttgagttagta	ttccattgtg	tatatatata	tatatcacgt	44040
tttctttgtt	cattcctcag	ttgatgggtg	cttacattgg	ttctatatct	ttgcaattgt	44100
gaattgttct	gtgataaaca	tacgcgtgca	ggtgtctttt	cctttgggta	gatacccgat	44160
agtggtgattg	ctggattgaa	tggtagggtct	acttttagtt	ctttgagaag	tccccatact	44220

atcccccatg	aagggttttac	tatccccactt	tccccccagc	attgtatatg	cgttccctttt	44280
tcactacatc	catggcaaca	tctgttggttt	tttttgactt	tttaataatg	gccactctga	44340
cagggttaag	tggcatctca	ttgtgggtttt	aatttgacatt	tccctgatga	ctagtgatgg	44400
tgagcatttt	ttcatgtttg	ttggccatttt	gtagatcttc	ttttgggaaa	tgtctattca	44460
tgtcatttgc	ccactttttg	atggaattat	ttgttttttt	ctcactgatt	tgtttgagtt	44520
ccttgtagat	tctggatatt	agttcctttgt	cagatgcata	gttgcaaagt	ttttctccca	44580
ttctgttggg	tgtctgttta	ctctgatgat	tatttcttcc	gctgtgcaga	tgcatttttag	44640
tttaactagg	tcccatttat	ttagtttttg	ttccatttgc	ttttgggatc	ttagtcataa	44700
atgctttgcc	tttgacaatg	tcataaagtt	tttcctaggt	tttctcctag	aatttttatg	44760
gtttctgggc	tagatttaaa	tctttgatcc	atctcaagtt	gattttttgtg	tatgggtgaga	44820
gatctagttt	cattttttcta	cctgtggcta	tccagttttc	ccagaacat	ttattgaata	44880
ggaggtttct	tccccagttt	atgtttttgt	atgcttttat	ggaagggttag	ttgattgtaa	44940
gtatttggcc	tattttctgg	tgtttttatt	ctgttgtatt	ggctctgtata	tctagcttta	45000
tatcagtaca	atcctgtttt	ggttactata	gacttgtagt	ataatttgaa	gttgaggtaa	45060
tgtgatgcct	tagaattggt	ctttttgctt	aagattgctt	tggatatttg	ggctcctttt	45120
tggttccata	tgaatttttag	gattattttt	tctaattgta	tgaaaaatga	tgttgggtatt	45180
ttgataggaa	ttgcattgaa	tctatatatt	gctttgggca	tatgatcatt	ttaatagtat	45240
tgattcttct	aatccatgag	catgggatgt	atttccatta	gtttgtgtca	tctgtgattt	45300
ctttcagcca	tgttttatag	ttttccttgt	agagatcttt	caccttcttg	gttaaataata	45360
tttccaggca	tttgattttt	tttttttttt	tttgcagcta	ttttaaaagg	gactgtgttc	45420
ttgatttgtt	tctcagctta	gttattgttg	atgtatacca	gtgctactga	tttgtgtaca	45480
ttgattttgt	tacctgagac	tttactgaat	tcattgatca	aatctaggag	tctttcggta	45540
aagtcttttag	ggttttctag	gtatatgac	gtatcattgg	caaacagaga	tagtttgcct	45600
tccttttttt	caatttggat	gccctttgtt	tatttctctt	ccctgattgt	tctggctaga	45660
ccttccagtg	ttatactgaa	tagaagtggg	gaaagtggac	atccttgtct	tgttccagtt	45720
cttaggggca	atgctttcat	ctttttcccc	attaagtatg	aggttggcta	tgggtttgtc	45780
atgtgtggct	tttactattt	tgagatatgt	tccttctatg	cccagatttt	tatcataaag	45840
ggatgctgga	ttttgttgaa	cgttttttct	gcgtctattg	ggatgatcat	attttttttg	45900
tttttaattc	tgtttatgtg	atgagtcaca	tttacttggg	tatgttgaac	catccctaca	45960
tcctaagatg	aaaccacatt	gattatgggt	aattatcttt	ttgctgtgcc	gatggattca	46020
gttttctagt	attttgttga	ggatttttgc	atctgatgtt	catcagggat	attgggtctgt	46080
ggttttcttt	ttttgttatg	tcctttactg	cttttgggat	cagagtgata	ctggcttcat	46140
agagtgaatt	aggttagagt	taggtaggat	tctctctttc	tcaacctttt	ggaatagttt	46200
cagtatgatt	ggtgccaatt	ctttgaatgt	ctgggtggaat	ttggccatgt	atccgtctgg	46260
ccctgggttt	tttgtttttt	tggcaatttt	tgttattgat	tcaatctcac	tggttgttac	46320
tggctctgtc	agacctccta	tttctttctg	attcaagcta	ggagggttgt	acgtttccag	46380
agatttgttc	atttcctcta	aattttcttg	tttgtttgca	caaaggattt	catagtgtcc	46440
ttaaatgggc	ttttgtattt	ctgtgggtgcc	agccataatg	tctccatttc	cgtttctatt	46500
tgagctaatt	tgaattttct	ctcttcttgg	ttaatctagc	taatgggtcta	tcatatttat	46560
ttattttttc	aaagaaccaa	cttttatatt	ttgatctttt	gtttcgattt	catttagttc	46620
tgcctctgac	tttgttattt	cttttctttt	gctagctttg	ggtttggctt	gttcttcttg	46680
agacaggggc	gtgctgtgtc	acctaggctg	gtgtgcagtg	gcacgatcac	tgcagccttg	46740
accttccctg	gctgaagtga	tcctcccatc	tcagcctccc	aagtagctgg	gactacaggc	46800
atgcaccacc	atgcctgact	aatttttttaa	tattttgtag	agacagtatt	tcaccgtgtc	46860
gcccgggctg	gtctcaaaact	tttgggctaa	gcaatcctcc	tgcctttgcc	tcccaaagtg	46920
ttgggattac	agttgtaagc	caccacacct	ggcctagtgt	gttctgtttc	tctagttctt	46980
tgaggataga	tgttagattg	tcaacttgtg	gtctttcaga	cttttcgatg	taggcattta	47040
gcactgtaaa	ctttcctttt	agcactgctt	ttgctgtatc	ccagaagttt	tgataaatta	47100
tatctctgtt	atcattttatt	ttgaataact	tttaaatgtc	cgtcttgatt	tcattgttaa	47160
cccccaaate	atgcaggagc	agcttgttta	atttccgtgt	atttatgtag	ttttgagggg	47220
tccttttggg	attgatttct	agttttatct	tattgtgggc	tgagaagata	cttgatatag	47280
ttctgtctgt	ctgtctatct	atctatatct	atctatctat	ctatctatct	atctatctat	47340
ctatctatct	gagactgagt	ctcgtctctg	tgcccaggct	gggggtgcagt	ggcacgatct	47400
tggcttactg	taacctctgc	ctcctgggtt	caagtgatcc	ttccgcctca	gcctcctgag	47460

tagctggatt	acaggccccct	gccaccacgg	ctggctagtt	gtttttgtat	ttttagtaga	47520
gatgggggttt	caccatgttg	gccaggtgg	tctcgaatgc	ccgatctcag	gtgatcccc	47580
atcctcggcc	tcccaaagta	ctgggatttc	aggtgtgagc	caccacaccc	agccaatata	47640
ttttgatttt	taaaaaaata	aattgagact	tgctttgtgg	cctgccatgt	ggtctgtctt	47700
ttcttaggtc	tagtaactgt	tttgtgaatc	tgggagcttc	agagttaggt	gcatatata	47760
ttaggattat	aatatcttcc	tgttggatcg	atccttttat	catcatataa	tgaccttctt	47820
tgtctttttt	ttactgttgt	tgctttaaag	tctattttat	ctgacataag	agctgttctg	47880
cttgcttttcg	gtttccattt	gcatgaaata	tctttttcca	ccccctttac	tttgattctg	47940
taagattcct	tatgttttag	gtgagtcctc	tgaagacagc	aggtatttgg	tttgtgattt	48000
ttttttttaa	tccattctgc	caatctgtat	cttttaagtg	gagcatttag	atgatttata	48060
ttcaatgtta	atactgagat	gtgaggtact	atcccagcca	tcatgttgat	tgttacctgg	48120
atattttgtg	ttctccattg	tgttactgtt	ttataggtgc	tgtgcatttt	gtgctttcaa	48180
gaggttccat	gctggtgect	gtcgaccttt	tatttcaagc	tttagaactt	ttagcctcaa	48240
tttattttta	aagattatat	ataaataaag	gaaaacagaa	attctcta	actgtgctca	48300
actgagtggg	ccgtgtatta	gtttttattt	ggattaatta	ttgtcacaag	aaatctgacg	48360
tttttaggagt	tttgagaatt	gctaaggtct	gtaggtgatt	tttccagact	gatgatattt	48420
cccatcattt	ggccacagta	caggaagcgt	ttgctatagt	tttatttctt	actgaagca	48480
gtaaataatt	taaatttttt	tcttggttaag	aaatgttcca	tgccctaatt	gagtgtattt	48540
acccttattt	gctaataagc	agtttagatg	tctgtacctc	gtcttctata	gaaattagaa	48600
ttatacgtat	aatcccaaat	caaaatgtaa	ttttgagcaa	atgtgcta	tgatttatgc	48660
tagacagatt	gacctatgtg	tgattcattt	ttcctaggag	aaggaaagag	atggttgaaa	48720
agaaatattt	atttggtaac	ttatatattg	atgtaaaaat	ggcacagtct	tggtcttcag	48780
atttgtgttt	gtgtaaacta	aaataaatag	taaagtttca	cagtaaagac	taccaaata	48840
gtggttaaag	cacctggctc	agggcacaga	ttgaatccta	gcttagactc	tcagtgggtt	48900
tgtgacactg	gacaagttaa	ttaacctcac	caagccttat	ttaccacact	ttaatgtgaa	48960
actaatggca	gtacctgcct	catggagt	ttgtgaggat	taagtatac	aatgtgtgta	49020
acatgcttag	ctccgtagaa	aatgggtga	gaatgttagc	ccgtttcact	ttgctgttgc	49080
tagtgtcgct	gatgtgttca	tacaaaaaac	tgagcatgtc	taaaatgtcc	aattattt	49140
atgttgaaag	taatggacat	aaaaggtgca	ttaagcaatt	ctagtttctg	tggccaagac	49200
acatcaaaga	aatgaagaat	ttaaaaaata	ggtgattgat	gaagattaac	tttattcatg	49260
tttttcttag	ctagacatta	gaagcaaggt	aaggaattta	aaataataat	attcccttaa	49320
agttgctttc	ctaggtattt	ttagcattgt	ataatttaag	tattatagat	tcatgcagaa	49380
atcctttatg	ttttacagag	ttacactgtt	agaccttatg	atagccaaga	taacgagtga	49440
tgagccactc	accaaggatg	acatccctgt	gtttttgctg	catgctgagt	tgattgcaag	49500
cacctttgtg	gatcagtgc	agactgtgct	caagctggcc	tctgaggagc	ctcctgatga	49560
tgaggtaagg	gaggcagatt	tcccaatctc	gggtaaaaga	gaatggacag	attttcta	49620
tcagccaagt	cctgtatgag	aattcttttt	taaaagcttt	aaaaaatatt	atgtaagtaa	49680
tgtatccata	tatgagaata	gttggaata	ttagataagg	gaaaacagt	tccttattcc	49740
taccatccag	agtcaatgac	ttaggcaaat	tctggtta	tttctagaca	gatgacatca	49800
gatacatgca	cacagacgta	gacatgtgca	catatgtatc	tattaaaagt	ggagcctttc	49860
tgtgccttct	gtttgcaggt	tcccattttt	tcttcggaat	gtaagctcta	ggagggcaga	49920
aattttgact	gttgtgtcca	tagtactatg	tatatggtag	gcaactgaaca	agtatttgct	49980
gaatgaataa	ataaataata	cattgtaaat	gtctttttta	ataaatgcca	acataggctg	50040
ggcacgggtgc	ctcacacctg	taacccccact	tctttgggag	gccaaggcgg	gaggatcgct	50100
tgagcccagg	aattccagat	caccttgggc	aacatggtga	aaccccatct	ctgtaaaaaa	50160
tacaaaaatt	aactggacat	ggtggcacat	gcctatagac	ccagctactt	gggaggctga	50220
ggtgggagg	tcacttgagc	ccaggaggtt	gaggtgcgg	tgagccatga	ttgccccact	50280
gccctccagc	tcgggtgatg	cagtgaagcc	cttgtctcaa	aaaaaaaaaa	aaaaaaagcc	50340
aacataacat	ttcaagtaaa	gaatttctta	tttatttgtc	caaatacctg	tagttggaca	50400
tttaggttgt	ttgtttgttt	gttttgagac	aaagccttgc	tctgtcgccc	aagctggagc	50460
acagtggcac	aatcttgact	cactgcaacc	tctgcctcct	gggttcagtc	aattctcctg	50520
tcttggttac	ccaaataact	gggattatag	gtgcacacca	ccaccatgcc	cagataattt	50580
ttgtattttt	ggtagagacg	gggtttcggc	atattggcca	ggctggtctt	gaactcctga	50640
cttcatgtga	tctgcctgcc	tcggcctgcc	aaggtgctgg	gattactggc	ataagccacc	50700

acatctggca	gtaggttgtt	cttatttcta	cttattttag	ataatactgt	agtacatgcc	50760
tttatagtta	catcttttgca	catttccaca	gctgttatcc	taggacataa	tcttagaagt	50820
gaaattgcta	tgtataagga	tatcacatgt	ttaaagctct	tgatacatac	ttccaaactg	50880
ctttctagac	agtttgcttc	ttctcttctt	tataggagat	tcctagtggg	atactgtcct	50940
ggtaattat	ttaaactatt	ttttattctc	cttaagccta	ccttagatca	ttcagggtctt	51000
gttttatcag	ggcgtggaag	ggagcttatg	ttaattctct	atcccttgct	tttacttcag	51060
aacttcctgt	ttttatctat	tctcccttct	ttctgtcata	aagttagaat	tgttctttct	51120
ctggaccact	cagctgtaaa	aagggatgca	cttgtgatac	aacagggaag	aatctcagaa	51180
gtgctgaggg	agagaagcca	gacagactag	aaaacatgct	ggctgattcc	atttccgtgg	51240
gattctgtag	caggccagat	atatcggtca	tgacagaaaa	tagatcagat	gtcacctggg	51300
tctggaaatg	aatgagtggg	attgattgca	ggggaacacg	agggaacttt	ctggatagta	51360
gaatgtggca	cttagctgta	taccttgaca	caactttgta	ctgtatgctt	aagatgggtg	51420
tatttcattg	catgtatatt	atacctcaat	aaagctgatt	taaacaataa	aagatgatag	51480
agagttcctt	tgtatgctga	tatgaatggt	caggtagaga	gggagtaatt	gatgctggaa	51540
tcactgttgg	caaatgggca	acactggagg	agagggattg	gaatccagag	tggatactca	51600
tccactgtcc	acaggcgagg	atgtagagaa	tgtgatccga	tactgtgaaa	ctgttaactc	51660
ctgttgtaaa	tgcagctcat	ggctatgact	gctcgcccac	gagagtgtat	ttcctttttt	51720
gtgaatatac	tttcgttcag	gaccattttg	atattgattt	tctgtgcttt	gtcatataga	51780
ccatgttaga	tcttactaat	catttcgtta	acttttagttc	tcattttctg	tgataggaaa	51840
gaaaggctct	tattcagggg	cttgcgttta	ctttctggag	atagatttgc	ctttgtttcc	51900
agcaggagga	gcagtgagtc	atgcttaaga	aaagttttaa	aaattctcta	agagacagag	51960
aaaagacaga	tcacagcttt	aaacttttca	gggcacttct	gtttaaaata	taggtgattt	52020
cagtattgta	gtgagaaatt	cctgggtgta	cttttcatat	ttaggaaaac	ttctattttt	52080
cctttggact	tttttctcta	agatgggaag	tatttttata	tattaatgga	atggaaagtt	52140
gtagactggg	aacagtggct	catgcccgtg	atcccaatac	tttgggacgc	caaggcgtgg	52200
gaggattgct	taagcccagg	agttggagac	cagcctgggc	aacataagga	gactccatct	52260
gtacaaaaaa	aaaacacaaa	gaattagctg	gggtgtgggtg	tgtgtgcctg	tgttcctagc	52320
caccggtgag	gctgaggtgg	gaggcttgcc	taagcccaga	agattgaggc	tgcagtgagc	52380
tgtgattgcg	ctactgcatt	ccagcctggg	gaagagttag	atcctgtctc	caaaaaaaaa	52440
gaaaaaattg	taggcagttt	tcttttgcaa	agccaaatta	atttactttt	ggaagtttat	52500
tgagctatac	atttatgact	tgtgcgtatt	aatgcacata	tgtcatactt	tttttttttt	52560
tttaaaagag	gaccactttg	ccagtattta	aatatgccaa	agaccaagtg	ctatactgga	52620
gctggcctgt	ggtgacttct	aagagttgat	tattaagtgc	ttagaaaattt	gtgagctgat	52680
tgttaaattg	ttggtacctt	gaaatcatcc	atggtggaag	tagttgtgcc	atggaaacca	52740
gcaaatgcta	caaatcaggg	ttttccacct	gcctcttcca	cccagccat	tcttctgcca	52800
aaccactgca	tttactcatt	ggtgatcttt	ttaggacaag	atagatatte	agtaaagttc	52860
tcaatgctat	gactgaaaag	tgagaatgga	aacagttgta	tttatagcat	gtgtttttta	52920
atttatgtaa	ttgtttggct	ttaaaatccc	aaggttttct	tcatacgttt	ctttataaaa	52980
atagttttgg	gttctcatgt	taatgtactt	attcctgtct	tttgatata	tttgtatact	53040
tgtttccagt	ttttgatata	tttttgtcag	ttcagaatct	tgttcacttg	tagcaagcct	53100
tgctttttct	ctgaaagctc	aaaaaacatt	ccttttagct	ttgtattttc	tgatatccat	53160
atattacaat	aattgtttgc	aggttgtggg	atttgcattc	tgtttttaate	tttgcaacct	53220
caggttaggc	catactgtag	tacctgttat	gcagtaggta	ttacatatatt	aattacataa	53280
tacatattta	atacatattc	tacaataaat	agtgtatttt	ttccacatat	taagggettta	53340
aattttttgta	ttacgcaaat	aatgcttgct	ttgttgttaa	aaattattta	agctgaagtc	53400
agtgaacat	aaagttacaa	agtttcagcc	aggcgtgggtg	gctcatacct	gtaatcccag	53460
cacttttagga	ggtcagagtg	ggcagattgc	ctgaggtcag	gagtttgaga	ccagcctgac	53520
taacatgggtg	agaccccgct	ctctactaaa	aatacaaaaa	ttagccgggt	gtggtggcgg	53580
atgectgtaa	tcccagctac	tgggaggtct	gtcccagcta	ctcgggaggc	ggaggcagag	53640
aatcacgtga	acccgggagg	cggaggttgc	tgtgaactga	gattgtgcca	ttgcacttca	53700
gcttgggcga	cagagcaaga	ctcccatctt	aaaaaaaaaa	aaaagttaca	aagttttccc	53760
ctttttgccc	agcctccatt	tgttttctat	agatctgcat	atcctttttt	ttttgttttc	53820
ttttcaaagg	tctttttttg	tatatacaca	cctatatgtt	ttttgttttc	attttttgca	53880
ctattcttca	acttgctgtt	tttacttatg	atgtaacttg	tacatctttg	cacttttagca	53940

tgtgtatatt	cattgtatgt	ttttaatagt	tgaataatat	ttaactatat	agactcatca	54000
taattttttc	atttgtttcc	tatagacttt	ccagctgctt	tcaggttgct	ttttttttct	54060
tttaaccttt	acaaataatg	ttatagtga	catccttgta	caaatttcg	tttaagtaa	54120
caaaccagg	ttataaatc	ctggagttga	attgctgggt	tgaagaatta	tgtgtattta	54180
aaaactttag	agagatttct	aagttgcaca	tcagtgcac	acaagattgc	acgagttgcc	54240
ttttgcagat	ctgatttta	tactatttct	cgttaatggt	tttcagtgac	cattatgttt	54300
gtttttgcat	attaggttac	tctttaaa	gcatttatta	aaaagcattt	tctggaaatt	54360
agtctttctg	tcatacatc	agtaaactat	tgtttacgta	atttttgttt	gaatttattt	54420
ctgatgttct	gttagccttg	tagtcgtttt	ttgtttgtgt	ttaatctagt	tgaggttatc	54480
aattttatcc	ttctggcctc	tggatttttt	tttttttttt	tgacaactga	cagccaagaa	54540
gatttttgtt	tgtttgtttg	ttttttaagt	aaattctcca	cttagattgt	ggaaatacaa	54600
acctacatag	tctagttctt	tcagtactta	gttctcattt	tttatttatc	tagaatttat	54660
ttttgagtaa	ggagttagtt	atggatccaa	atgaattatt	tatgtctttt	gactatccaa	54720
gattataaaa	tcttttgggt	tgagactgac	tgggtttgaa	tcttgatttc	ttctgttaca	54780
ggcatatgat	cttggaag	ttacttagcc	tctctctgcc	cttctttttc	ttgaaatggg	54840
ttatattatt	attattatta	ttattattat	tattttgaga	tagagtcttg	ctctgttgcc	54900
caggctggaa	tgagaggtg	tggctctggc	tcactgcaac	ctccgtctcc	caggttcaag	54960
cgattctcct	gcctcagcct	cctgtgtagc	tcagggcacc	caccaccatg	tccggcta	55020
ttttgtattt	ttagtagaga	tggggtttcg	ccttgttggc	caggctgggt	ttgaactccc	55080
gactttgggt	gatccaccgc	cctcgggctc	ccaaagtgc	aggattatag	gcatgggcca	55140
ccgtgcccg	ccaggttgta	ttttaata	aacatttaat	atacagattg	gtacatagtt	55200
aatgttcctt	aaatgttatc	tgattattat	tcagtaccat	ttagtgaata	atcttatcct	55260
ttccactaat	tttttttttt	taattgagac	agggctctgc	cctgttcccc	aggctggagc	55320
gtagtgggtc	agtcgtagct	tgctatattc	tccaactcct	gggcttgagg	atcctccac	55380
ctacctatat	catatcctaa	attcttttat	ttatttggat	caattactgg	ttccctccaa	55440
acaaattgga	gggaaccagt	aagatgttaa	caactggaga	agggagaatt	cagagaggta	55500
tgtgtttata	tgccataaag	gaacactgaa	atgaacacac	aaaaaatgc	agaaactgat	55560
ctatcaacaa	agtagttgca	gtccaggcag	atataactaa	tttgcatttt	aatggacagg	55620
aataattctg	tattaatata	agttttctgt	aacttacaaa	gctgtaaaat	tgctcaaaga	55680
tacgaaatga	cagtgttaac	tgagacaggt	gagctagaca	ggagactaat	cttttttttt	55740
ttgctcactt	caaaatcttt	cacgatgttc	ccttcatttg	cttgtctttt	tttttttttt	55800
tttttttttg	ccctagtgcc	tgattttaatt	aatattagtt	tcataagact	tttaaata	55860
tggaagggca	ttttactcat	taatcttatt	ttttaagaca	gtaatttttc	ctggctgttc	55920
tttcgttact	aatttccaga	tgctcattag	aaacactttc	ttataaaa	gattttta	55980
agtaaaattg	tgaatgtgtt	aggtggggat	agatttaattt	tcttttaggt	ttattttagt	56040
taatatcata	gaatttaaga	gctggaagga	gacttccagt	tcatctcttc	caacctctaa	56100
ttttatttct	gtcattttta	cgtggaaa	ttcaaacata	gactaagaag	aaagtgtact	56160
tatactccat	atgccatccc	ctggcttcag	cagcttcccc	ttcatcacca	ttcttctttc	56220
ctccacagtt	ccactcattc	ttatgccagt	tgccgtggac	tgaatcaaag	ctccaacata	56280
tttcatcagt	tactctaaaa	gataaggagt	tttcagacac	aagtataata	tgaagaaaac	56340
atctaaaata	actaataata	acattttatta	tcaaataaat	agtattcaga	tttcccccat	56400
tgtctataaa	tctttttcaa	gtttattttg	ttgaaacacc	ttacagataa	gggccacctt	56460
atctgtaaca	ccttacagat	aagggaaggt	gattgacata	actttactcc	agtgtatagg	56520
ttcccccttc	ctcttctttt	tttctctttt	gctacttatt	tggttgagaa	actgggttgt	56580
ttttcctgta	gacttttcta	gatttttagat	tttgatgagt	atgtcttcag	gggtggcactt	56640
aacatattct	tctttacctt	gcatttctctg	tgaatgaaaa	ttcgttccag	aggcatattc	56700
agatttgggt	tagttttttt	tgtttatttt	ttgcagtagt	gtttcgtgtg	tgatgatact	56760
actttcgtca	agaagcacat	gaggcttgggt	tgtctctgtg	atattagcag	tcattaatga	56820
tcacctagat	ccatgaattc	tttaggggtt	gcaaaatgggt	ggcattttta	cattattgtt	56880
cattttttgt	ttatttagcag	gaatattttt	taaagagaaa	ctttccctaa	ccaattctta	56940
ggttctgtga	ggtacactgg	atgaagaaag	gcaggataag	tgctcgattg	ttttccctct	57000
tgattaccaa	tcttcagaat	aatgagttgg	ttttgtggca	tcattcaaag	atgaccagtg	57060
agttggtttg	ttttgtttta	ttttcattat	gaagccatag	ctgtaaaacc	gcttgatttg	57120
ttttcagtc	gttaccgttg	taattctttc	tgatgtttta	tgtgccactg	ctggccgggtg	57180

ggagcctcat	caagttgttt	ctgattccga	atttctgaca	tgaccctagt	agcctgtaat	57240
agcgtctttg	ttgtctgcta	tgacaagatg	tccagggtta	ccttttgcat	gggctgtccc	57300
aggctctgtc	ttgaaggagc	agtggatctc	cacgataaca	atctgggcag	ctacaccttt	57360
aacaaaagag	gttgatgaag	ctttgtgaaa	ttgatggagt	tggtcaagac	tcgttttaac	57420
atggtactac	taatctagac	ttctaactca	gattttccca	cttaactctt	tagcaaaaaga	57480
aggctatgat	ataaaaattaa	agatccaaga	cattaaaaat	atgagttggt	ttttgctatt	57540
tattttgaga	tttcagaata	ctatattaat	gtattacctt	taaatctctt	aattagaaaa	57600
cagtaaatac	acatttagaa	ctaacaagga	agtaatttgt	ccttcttttg	aagaatgtta	57660
tctctttttt	tttttttttt	ttttttgttt	gaggcagagt	cttgctctgt	tgcccaggct	57720
acagtcacgt	ggcgtgatct	tggtcactg	caacctctgc	ctcctagggt	gaaacgattc	57780
tactgcctca	gcctccctag	tagctgggat	tacaggcacc	caccaccaag	cgtggctaatt	57840
ttttatattt	ttttttacta	gagacgggat	ttcaccatat	tgaccaggct	gatcttgagc	57900
tcttgacctc	aagtgatctt	ctggcctcgg	cctcccaatg	tgaagaatgt	tatctttatg	57960
gactaaactt	ataatctctg	ccacattttg	tcaaattgat	ggtactttta	aaatgggggt	58020
caaaatctat	acaaaagtta	catttaaaat	ttttgtatag	actacttaat	gctatgcagt	58080
tggtactggg	tagtttcttg	gtcatgcagt	gtatttgata	aattatttag	tagctatgtg	58140
aagtagcatt	ttcaaacagt	actgtctttc	taatctacca	agatattgca	tagaagttca	58200
tatttaccct	gaaattatgc	aagttcttaa	agccagagtt	ttttcaacca	cagcatttta	58260
caggatttct	gtggacaaga	aattaatgta	ttttatggga	tatttgtatc	tttaaagtgg	58320
aatttgcagt	ctgggaatgc	tttaaaaaaga	aagtatttgc	ataaatgtca	tgtacatagc	58380
tagtaatttt	gaacatttat	tccactgttg	gaatgtcttt	ttgcttgaat	aagaactttt	58440
ctgactcttt	gctccaagaa	gacacataat	gacacataat	cttgcatctc	tgtagggcaga	58500
tgtctgctgt	tagtgaaaaat	gatgagtcgt	gtacatatatt	catacttctg	ttttgttctt	58560
catagttttg	tttttctctt	tgacttatta	caagcacaga	ctctttaaat	ttattgaaat	58620
attttattct	cttacagtta	tttataacag	ttaaataaatt	tctcttaaaa	tatgctaaaa	58680
agttatgttt	tcttttcttt	ctaggaggca	ctggctacaa	ttaggcttct	cgacgtcctg	58740
tgcgaaatga	ctgtgaatac	tgagctgtct	ggctatctgc	agggtttccc	tggcttgctg	58800
gaaagagtga	ttgggtgagt	aaatatcaca	cattgtattt	ttagctaaga	aatctttggc	58860
ttgtcatact	gtaatatata	tccaaataca	aatccttaat	tttcagtgtg	ccttggggaat	58920
tttggtgaata	tatttttttg	agaggaatca	cagtgttgta	acagttcagg	caggccagat	58980
aaacctgagc	ccatgtgttt	gttcagccac	ttcccttctg	tttaactgaag	attccttctc	59040
agtaatgtga	ggataacaat	gcctgttatg	catatagtag	atgtttcatc	aatataggat	59100
gtgatgaaga	agggtgggca	ggcagggttg	cgatgatgat	tgtgggtttt	tattactata	59160
gctttgtaaa	atgtggcagt	aaatttttcc	cattttacatt	tagtgaacac	atagaatggg	59220
gttttataca	tattatata	acaaatctta	tgagaaaaag	gttttaaaaca	agaaaccatt	59280
gttaaaagta	ttaccaacct	tgctaaaaag	ctgtttgcaa	aataattcaa	gtagaacctg	59340
ttccttgtgg	ctagccatgc	ttagggtttg	tgttcattat	ttgcaatttt	ttccttttaa	59400
aagatgatac	ttactctgga	gaccagtgtc	ctgagaaaga	tgactttgtg	tctagcagta	59460
tagatgagct	agcagtcagc	tgtagaggaa	gatccttaga	attcctcatc	agtgttgtat	59520
tttgagtaca	ttgctttttg	tgataattta	aataaaacac	cacaaacctc	gcacacttga	59580
gtgattatgg	aaggagcctg	agtttggagc	cagggtcgat	gtgggttgcc	atcccagctc	59640
tgccagggtg	caacttttct	gagcctgttg	ttttcttcat	tataaaaattg	ggaaagtgat	59700
accttctctg	ataggtttgt	tgagaggggt	aaatgagata	atgtggaaac	actgaaatgc	59760
agttcctgga	agattgtctg	ttttcattgg	ctgcctggag	gtgctcatag	agtagagcag	59820
tggttaagtcc	tttctcctga	atgtagctgg	agtgaagtat	agagaacata	tgctggcttc	59880
tgatgatttg	gccagttgga	tgagggaata	ataagcactc	ttcttggttt	ctgtcatatg	59940
catcattatg	gatagatatt	gtgttttaga	cttcattgac	tgaagttatt	agaaaagttc	60000
tttcataaag	aagttgagat	tggaaacctt	tttgtaagaa	ggatgctagc	aaacttttag	60060
ctaacttttt	ttgtagataa	atagaaactc	tgagttgggg	tagtcattat	ggcttatctc	60120
cccaaaacta	gagtcaaaaa	atttaaagca	aaggcagaag	agccttctaa	tcattttttg	60180
aagcaaaggc	agaagagcct	tgtaatcatt	atttaaataa	agctttctgt	gctctacctt	60240
tagcctatta	caataaatta	gatttgtcta	tggaaaacta	ttagtacaac	atactaaaag	60300
ttacttttct	gtggaaaatg	aagtttactc	ttttggttat	agatcttttg	cgggtgattc	60360
atgtagctgg	aaaagaaacc	acaaacatct	tcagtaattg	tggttgctgt	agagcagaag	60420

gtgacatctc	caatgtggcc	aatgggttta	agtctcatct	cattcgtctg	attggaaatc	60480
tgtgttacaa	gaataaagat	aaccaagaca	aggtaagagg	atctcttagt	atgtattata	60540
catgtatggc	ttcattttaga	atatagtcct	tgggaagacat	tcactctttt	ggagtgaag	60600
cttgaggtgc	ttagaaaagta	gcttggaatag	agagatatata	atctttatatg	aatacacaca	60660
cacacacaca	cacacacaca	cacacacaca	cacatatata	tacacacaca	cacgtgtgtg	60720
tgtgtgtgta	tatatatata	tgtatatgtt	aatatatagg	ctctttggag	cctagacaaa	60780
tttctaacac	acagtagata	tttaataaac	actagtattt	attgcctatt	atcttaaaaa	60840
acaaagctta	gatctatatc	ctatgtttat	ggacgatagc	atcataagcc	ttttcttcta	60900
gatgttttaa	aatggatata	aaaggaatat	aatatttaag	tatgaagtct	ttgaggacct	60960
agtaggctgc	ttttagaaac	ctcttatgtg	cagaagagct	taaaggtagt	tatattgaga	61020
atgtgagaga	atggtaagaa	agatctcagg	gcagtgggac	cacatgcttc	agattgatct	61080
cgctttctg	tatttttctg	gagttttact	tcgggtggca	tttgatttgc	ttagttaaata	61140
attaattaaa	tttctgccag	attatatattt	tctaagatgg	tggcagaatg	tcttgcatctg	61200
tacatgtgtg	tctgcagtat	gactttgccca	ctccctgtc	gagggttggc	atctatttct	61260
ccatccactt	gaatctgggc	aggccctgtg	gctgctgtga	gcaatcaaata	atgtgatcct	61320
ataccatttg	tagcatagcc	cttaactggg	ctagctgatt	ctatttctgg	cttcttagaa	61380
gcccgtcact	atgtaagaag	tatagattcc	cagagatcac	cttgctgcga	gcttgctgaat	61440
acacatggaa	aagccctgga	agataagata	caatgaggag	agaggaaaag	tctggtgaag	61500
gaacatcaag	gcatgagatg	tgtgcgagaa	accatcttgg	gagtagatcc	atcctcagtt	61560
tcttacttgc	ccagctgatg	ccacatagat	cagggccccc	ctactgggca	tagtccttcc	61620
tgaatttatg	acccatagta	ttatgagaaa	aagtaaaaaa	tagaaaaaaa	aaataaggga	61680
tataggtcct	gcttcagtta	gtagcccagt	cagttactgt	tggactgatc	cttcttcaaa	61740
tagcaattat	aaactttgga	caaaaaatag	ccatgtgaag	acactcgaat	ttgacacaaa	61800
cgggcagatt	ctggagtga	attgatgctt	ggaagaaggg	aatgacacag	tgtgtggcat	61860
gcagggcagt	gaaaagtcag	ttacaaaatc	ttccgtcttt	ctagcttgaa	gaatcaaaga	61920
acagtttgag	ggcaaccatg	gcatttgaaa	gtgagggggg	aattgtggaa	agtagaaaac	61980
agaccccaaa	ctctgggtgt	cagctaccta	aatctctgct	aatggctgaa	tcacacgtgt	62040
ggggcaggct	ccaggcagct	aagctaagga	tgaagtcatt	gtattgagat	ttgagctccc	62100
accctagagt	ttatagtatt	aagtccaact	tacactgtag	ataattaata	attgccctct	62160
aaaaaaaaaa	atcaaacctc	tttagaggaa	tataatataa	tccagaattg	ccacagcata	62220
atgtatcctg	taatgtccag	gatacagttt	acaattgctt	gacgttcagg	aaaatgtgac	62280
ctgtttctca	ttgaaaagat	gatcagcgga	gactgactgt	gagaggacac	agatactggg	62340
cttagcagac	aaggatttta	aagtaccaa	tgtaacctgt	ctcaaggatg	taaaggagat	62400
acgcttcata	agagtgaaaa	gggtgggat	ctcagcagag	aaatagaaac	tataaaaaag	62460
aaacaaatgg	aaatcctaga	actgaaaaat	acagtatcta	aaataaaaaa	aaaaaaatac	62520
cgaatgtgct	taacctcaag	aaagatcaca	gaggaaagag	ccagtacact	ttaagatata	62580
tcagttagaaa	tcatctagtc	tgaaaaacaa	aagcggggag	aaagattgaa	aataaaacgg	62640
ccgctttagg	atgctaaatg	ttagggtaat	ttgttatgta	gccgttgata	gctggaataa	62700
ttcctgtgag	acatggcgca	gaaccaaacg	ctagacaact	tgcactttta	gtatatgggc	62760
gcaccatttt	ggcaatcctc	atcttcagga	gagtgagact	actgattccc	cccttgggaa	62820
attactggac	tgatttttgc	aaaagaaaag	tgatagcgaa	taaagcactt	taccttttta	62880
atgaccagga	ctgcctttct	tgagcacaaa	agaggtgggt	tttcttgtgt	ttaactattc	62940
ttttgttgct	aattttggact	ggcctcttat	aggaacaaaa	tgcagtaacc	cttaaaaggc	63000
ttgcgaaata	actcactgaa	gtcaggatca	gattgcacca	taagtaaata	tggagtgtgc	63060
ccaagtgtct	ctgtgcagag	gtcactgggg	cgcacaggaa	gtcgatgggt	tgtcctgtca	63120
cttgtgcagt	tgctaataag	actgctgatt	tctcagcaaa	cagtttagag	ggtagaagg	63180
agttcattct	ttgagtatca	actcaaagtc	cctctgtttc	tctcagtttc	ttacgtgtgt	63240
caacaaaagg	cctgaacctg	aaagcattac	ctctgggatt	ttttctctcc	ttccaaagac	63300
cgacacaacg	ccgaaatctt	gttctggatg	tgttagagtg	ttctttattc	ttgtagccaa	63360
atccttgctc	cagctgggtg	ttacagatat	ttgccttgct	cattgttgcc	tcaagggatg	63420
gaattcactc	gcactcagat	gactttgggt	atagttttgg	gaaaatggaa	tggatgggtta	63480
tgtagcaggt	ctttatcacg	ggaccagtaa	ttctcagtg	tttgtcttga	tggattgtct	63540
cacttctaac	ccagctaggg	ctttaaggga	aatttggctc	tgtctctgct	ccaagactaa	63600
agatctgagt	tgggagggat	ttcgtatcat	ctagcctaata	ttgggttctt	cctttgcccc	63660



gaagacaaaa	gggactgatg	atttattgtt	tagtgtttac	tatgtccttg	cattgtgctt	63720
agtgaattac	atatattatc	aactttaatc	tttgcacag	ccttgcaaag	caggttctgg	63780
taaccacatt	ttaaggagag	gccatccagt	taggtgcaga	gcccagggt	gaatttgat	63840
ttgtttgect	attgagttcc	caggcctgtg	ctcacttcc	gccccatgg	gagaacttgc	63900
caaaagggtg	gagaaaagg	tttaaaatag	acttccctga	ggacttcagg	ctggaggctg	63960
gtcagtcctg	gtctcctagg	ccagccaggc	cccttagact	ccctcctgg	tgaagttggg	64020
agctcttggg	ggctccttta	tccttggttc	tgattcaccc	attcatcaaa	tacgaatgtt	64080
tgctggcttg	gggatccttt	gacgggtaat	tcaggcaagg	tattaatatc	ttctgtggag	64140
cttccattct	ggcatcatct	ggggaccatg	cttgccctct	tgaatcagaa	tctcaaaact	64200
actcatgaca	cagattttcc	taaaatcttt	gtgtactgcc	tgattcctct	gaattttgag	64260
caagactctt	tcaagcccaa	ctgtgtctgt	gttgtctgtg	taacttcac	cattgcagtg	64320
agtatgggtg	ccacctgctg	gatggccctc	ttacacttgt	gtggcacttt	ccattttcca	64380
gagctctttt	catctgcttt	agtttggttg	agccttatga	tacctctgtg	gaaagggctg	64440
aaaagatatt	tccaccatca	ttttctaaat	gaagaaacca	aggccccgag	accaagtgtg	64500
atttaactca	gctagcactt	gctgagtga	aattgcccgtg	tgctgcatgc	tctggagaag	64560
acagtcgctt	tagtggtgga	atgacacatg	tccactagga	gctgtagcaa	aagtccgtgt	64620
ggtgaggcct	gtcagaaaag	aacagggggg	tgatgtgtcc	tctgggctgg	ctgtgccagg	64680
agcattttctc	tctaaggaca	ggcactggac	tgccaggagc	atggatcaa	ctggaaggat	64740
ggtcatcttt	ctttgagata	cttgtctttg	ggcaagattt	aagagaatca	aggtacgttg	64800
cctcagattg	aaaatctgca	cagaaatgta	ttttatccca	aattctcatg	agtctttaat	64860
gcttaagtct	gtacacgtga	tagatgtagt	gtttcctgaa	ttgtaaagga	attgctagac	64920
ttccctttac	ctcgtcatgg	tagggagggtg	tcaaactcct	actgacttct	attcttacct	64980
tgtttttttg	ttctcgactt	gtgtagtatt	tccttgctac	aactgtagtg	attagtttac	65040
ttctaaactt	ttgtggacct	aaatggagat	tctgttttgg	tttctattgt	aagaagcaca	65100
aagataactaa	tgctataaac	atgaagaaag	cattcttcag	cttcttcttt	gttagaataa	65160
ggaatgtatg	gtttaccttt	ttcttcccta	ttcttcttct	tttactattt	gtcataacct	65220
ctttaagtga	atctttatta	gaagaaaac	caaacgttta	tttcataaag	ctaagtgcac	65280
ttttcaaate	ggacagacag	atgatctagt	ttatctacct	tccgcccgcc	aaggaaattg	65340
tattgactag	gatgggccat	atatccgttc	tgctaaaggt	tatggaactg	ctattcagtt	65400
tcttctctct	ctccttctct	ctccctgatt	taaaatatct	ccagcagtca	catacttgat	65460
gatcccatgt	caaatatatg	tgctataaaa	tcttttacta	taagcatacc	ttaattttaa	65520
agtaagtctg	tactgtatga	aaaagttcaa	catgtaaaga	caaactttat	ttggcccttt	65580
cagttctcaa	ttttgaaggc	aggttcattt	atatacataa	aataatcttt	gtaatacatt	65640
tttctgttaac	tttgtgttgc	tcatcatgtt	actcccagca	tctaaattgt	acctggcaca	65700
tagtaggcac	tcagtaaat	tttctaattt	ttcttgaatg	acaattttatt	tgtaaaataa	65760
attgaatgtt	gaatgtttac	tacatatcaa	gtgcactttt	aggttctgaa	gatacacagc	65820
aagtaagaca	gttctttttca	aggagtgtaa	atattactat	acaattttct	gactaaattt	65880
acaaagacta	gtaaaaatag	ataacttttc	aatgaaaat	taatgttctt	ttaaattctg	65940
agttctgtat	ttttgaaagt	ctttttttat	gtttgaaat	attctaattt	actgtaattt	66000
gccatcgttt	tatttgatcc	aaatcatata	tatttttagat	tataagaaca	tctgtattgt	66060
ataatatttg	caagtaatta	aaaaatat	tttaaatcct	aggtttaggc	ttcgtagatc	66120
tgaatgcggt	tttttcatta	atcttaaaata	aaatttaaga	ctgaatttac	agttgttaaa	66180
cattcataac	atgatcaatt	tttagtgggt	tttttggtgg	ggtgtactat	tttccacct	66240
ttttgtatct	agttgcaagg	agccaagaac	aggcaaatta	ttactcctt	tattatttcc	66300
tcctgtctga	aatgttttca	agcagcgtat	ttgtctgtta	aatcatgaaa	aactgaaaaa	66360
aaaagtctat	ggctatttcc	taatgatttt	atttaggttg	ttgctcttaa	tgaggattag	66420
tacctgtttt	gtacatcagt	actggctgac	ttgtcagtta	ctcggataat	tgatcgagtg	66480
attgctctgc	agagaaataa	ataaatgctt	aactaatatg	tgtagtggtt	tttctttttg	66540
caactgtaaa	ataggccggg	gtggcatggc	ccttgggtgt	caggcagggc	cagcttctat	66600
attctcagcc	tatactagca	ctgtgtggac	ttcccaacct	tcatactttc	cctgagtgc	66660
cttaacttgg	ccttcagaac	tcaaggtcac	aggtaccctg	ttgacctgtg	cagaaacact	66720
ttctcttcta	cgtctctcac	tatactcttc	tgcctctctg	tcacccctg	acttacactc	66780
tacctataat	cagtttctgt	gggtaaaatg	gttatgggtt	gttgattctg	atgcatattt	66840
cagtatacgt	gtgctgttgt	ttttggtttt	acttaataag	tgtttagtgt	gatacacata	66900

cgtaaactga	tcaccagcag	aactgtgaca	tatgaaacac	tttatttggg	tatcactcaa	66960
ttttactgta	gcagcctcca	tcccttctta	gttataccac	cgttaccacc	acttttgtcc	67020
ttgtcctctc	cttgatgttt	tgtctttcat	gaaacccatc	tcccaaggctc	tttctggatg	67080
ataatggctt	aattcactct	ctttcccaga	tacatgtttt	tccttcttta	taggaaccta	67140
actctgcctg	tctaattggg	gaattccagg	cagggatattg	aaaatgtctg	gggggccggg	67200
tgagtggtct	caagcttgta	aaccagcaaa	gcacattgga	aggctgaggc	gggagattgt	67260
ttgagctcag	aagttggaga	ccagccagac	aacataataa	gactccatcc	ctacaaaata	67320
tttaaaaatt	agctgagtat	gttgatgcat	gtttgtagtc	ccagctgttt	gggagactaa	67380
ggtaggagga	ttgcttgagc	ccaggaggctc	gaggctgcag	tgaccctgta	ttgtgccact	67440
gtgttctagc	ctcggtgagg	gtgtgagacc	ctgtttaaaa	aaaaagaaac	agaaaatgtc	67500
tgagcagtg	gttctcctgt	cactgacttt	tctgtcattg	cttggtctgt	aacattggat	67560
ccacgtgtgt	gctgtttata	gaggaacctt	acaacaggca	gagagcttat	gagactttag	67620
agttcagtaa	actcagagtt	gcctcttagt	tgaccatcta	ttaactgttt	aaatttggac	67680
aagtgtctca	acctttctga	atctcagctt	cttcatgtat	aaaatagggg	cagttacacc	67740
tccttggtgg	gttgggagga	ttaaatgtga	tcatgtatag	gaagtatctc	atgtctgtaa	67800
tcctagtact	ttcggaagcc	gaggcaggag	gatcacttga	gccaggagt	ttgagagcag	67860
cctgggcaac	atagtaagac	ctcccactctc	taaaaaaata	aaataaatag	ccggtatttc	67920
cagttacttg	gtggggccaa	ggcaggagga	tcgcttgagc	ccaggagtgt	gagaccagcc	67980
tgggcaacgt	aataagaccg	tttctctaaa	aaaattaaaa	aattagccag	tgctcccagg	68040
tgcttggggg	gctgaggtgg	gacggttgat	tgagctcagt	aggtcgaggc	tacagggagc	68100
cgtgatcgtg	ccactgcact	ctagcctggg	caacagagcg	agactctgtc	tttaaaaaaa	68160
aaaaaaagta	tataatggat	tgcccttatgt	ctctaactat	aatacttccg	tgtccctcct	68220
cttacctctc	ctaccagctc	ctttggaatt	gaaaagatct	agttcattcc	agtgtctccc	68280
cattatctgt	atttacatag	aaattttagt	acaacatttc	acaaggattt	gcaaagttca	68340
aagtaaacct	catattctgc	attctgtgtg	tattactttt	tctaatagat	ggggctttat	68400
ggaggaagta	aaatgaaac	aaatatgaga	actttcttta	ggatgagagt	aattttgatt	68460
cttgtcataa	atgttttctg	acttgaattt	ctcttatgtt	attatctagt	aaagagctga	68520
agtgttttcc	gcgtgaattc	caaaatctgt	tctagctcaa	ttctgaaagt	atgttaagga	68580
acttttaaat	tacagggcat	atgtcttacc	tcaattggat	tgtgcgtttt	tcctgtgttt	68640
ttcctcttgt	cagaagcaag	ttgcaccaa	tctcagctta	ttgatttgaa	gattgaatgt	68700
ataggcaaga	tctggcctgc	ttagaattcc	acttctttgt	aatgtaatcc	cagatcaaga	68760
aatatgtcaa	aattcataaa	tcaaactgtc	accattagtt	ccctgaactt	acagttcctg	68820
taacagtaaa	tgaaattaaa	attcctatct	agaggaaacc	tatcatgggt	taggttggtg	68880
cagctgtaaa	atttttttta	aaagactaaa	ggatgggtcta	ccatttgact	ccaaaaaccc	68940
cttttctatg	tcttgttcta	caataattga	cttattctct	tccaggaaat	gcataacatt	69000
atttaaaaag	aagaatgata	ctaattatat	aattgcaatg	taacagcgta	ctattgtcga	69060
taaccattac	tattgcaaac	taactaggct	ccaggccctt	gacctgtgct	tcacgtgga	69120
attcctacca	ctgcatattc	ctccctaggc	tttaagcgtg	aaggcagaca	catcatattt	69180
ggcttaacac	ctgccgtaac	actgggtaca	tagtgtagtg	aaattaatgg	acgctggatg	69240
actttgcttg	ctttactggg	gagtcaagcg	tagagtagtt	acttgcttgg	agcgatagca	69300
ggccaaattc	tgactccaga	gcccatactt	ttcctgttac	catccactgc	ttccaccgtc	69360
accacaaaag	aagatgtttg	agactgggtc	tttgaaatct	atgaccaa	ttgtgtgact	69420
ctttgaggtg	gcaggacatt	gtattacagc	tttttccaca	attcttactg	aacttttttc	69480
attatcatct	aatgtctagt	gttttagtaa	atgtagtctt	tttttctttt	ccctttcttt	69540
ttttcttttt	taagaggtgg	ggtcttgctc	tggtgctcag	gctggagtgc	agtgggtgta	69600
ttatagctca	ttttagcctt	gagctcatgg	gctcaggcag	ttctcctacc	tcagcctccc	69660
acataactgg	gactgcaggc	atgtgccacc	atgcccgact	actaaaaatt	tttttttggg	69720
agaaaaacag	ggtcttactg	tggtgccag	gctgggtctca	aactcctggc	ctcaggcagt	69780
cctccttctc	tgacctccca	aagtgtctcg	attacaggtt	tgagtcacct	tacctggcct	69840
gaatatgggt	tctttaaggt	tcatgttgag	ggctacattt	caggcacatg	cgtatttccg	69900
agaagcataa	tttaccat	actgtagaca	cagaaaggga	gacattgggg	aagtaatgtg	69960
ctgcccatga	tgattccgca	gtttgtaaaa	gtcatgaatc	cagttttcct	aactgctact	70020
cagttttctt	tacttacgcc	atatgatcaa	tttttagata	acagacgttt	taatttaatt	70080
taattttatt	tttgagacag	ggtcttgctt	ttgtcaccca	ggctggagtg	cagtgggtgtg	70140

atcacagctc	accgcagttc	tgtgctcaag	tgatcctccc	gcctcagcca	cccaagtagc	70200
tggtactaga	ggtatgtcac	cacacctggc	aaatttttgt	atTTTTTTTT	gtagagggtg	70260
gattttccca	tgttccccag	gctggctctg	aactcctgag	cttgagcagt	ctgtccacct	70320
tggcctccca	aagtgtctagg	attacagggtg	tgagtcacca	cgcccggccg	acaacagtga	70380
ttttaaatgg	atTTgtgttt	aacagtaaaa	aacaattatt	tcacagtatc	caaaaagaag	70440
aatatctgag	acttgggtga	ggggaaaacc	agctgtataa	actgagagct	gtaccttggt	70500
cctgtatgga	agtatggaat	atgggaaaga	tattagtttat	ttttaaactg	atTTTTtatta	70560
ctagaccaat	taaaatccca	ctgtgaaaaa	taagccataa	ttttgactat	aaaatgaaaa	70620
taattgagga	attgtcatat	caatattaaa	atatacttta	aggctaaaat	aatcaaaaca	70680
atttacaana	gtttataggt	tagtggaggc	agacatagtt	tccaaacaga	cccaggagaa	70740
gttatacgaa	tttaccatgt	gataaggata	atccagcaac	ccggggagaa	aaggaaagct	70800
tattacaana	gcttgtaaaa	aagcttatgt	aaagagtttt	tctccatgat	aagaagagaa	70860
catgctccgt	tcattagtga	ttgtagtaat	tcttcttttc	ttctactttc	ctgttttttt	70920
ttgagacaga	gtcttgcttt	gttgcccagg	ctggagtgca	gtgggtgtgat	ctcagctcac	70980
tgcaacctct	gcctcctgag	tttgagtgtat	tctcctgcct	cagcctcctg	agtagctggg	71040
attacaggca	tgtgccacca	tgctgggcta	attattgtat	ttttagtaga	gacgggggtt	71100
caccatgttg	cccaggctgg	tcttgaaatc	ctgacctcaa	gtgatctgcc	tgacgcggcc	71160
tcccaaagtg	ctgggattac	aggtgtgagc	caccatgccc	agcctctttg	ttcttctttt	71220
atactttgta	cacctcttaa	cccttctttg	gccaaagatc	gggggcttta	gcaatgacaa	71280
tttcaattat	actttcagtt	gaaagatttt	taaaagtaaa	acgttagcat	tggatctgga	71340
gaattttgct	aactgagata	attaatagct	gggctgggtg	tgatagggtt	tgtgtgtttt	71400
tgagagagag	agagagagag	agaggaagag	acagacagag	atggaaatat	aaagatcatt	71460
cttccactgt	tatatgtgtt	ttttccctct	taaaggaata	ggcatttgaa	tttctctctt	71520
gttgctcaggt	gttctgactt	gggtacatca	gctcttactg	agtgcctgaa	tgttcaggat	71580
ttctatgaca	tatctcaatc	taatgaaaa	ctgactgtga	aatgtctata	tatctcccca	71640
ggcttcgttt	tcttggttaa	atgagaaaag	tgctcttatt	tcaaagtgtg	gaaagtagct	71700
ctaccttttt	ctggaaaaaa	aaaaaaaaat	aaaaaaaaat	aataataata	ataataataa	71760
taagatggga	aatgtctgtc	ccacatctaa	agcagttttg	atcttttagca	tattttagttt	71820
tttttttttt	ttttttctctg	gcagcagctg	aaaattaaga	ggatcaaagt	tatgttccta	71880
taaaagactt	ttttctgtct	agtgcttgaa	ggcattgtct	gactcccccc	acccccacgt	71940
tttaaaagct	gaattgcttat	cttattcagg	tagaatttaa	tttcatgccc	atcatattct	72000
aatagaacaa	aaatgatact	tagtttcaga	ctgtggattt	tagtttgaat	tcaaacctac	72060
tgctatatgg	cagttaaaagt	tgggaatatt	ttttactcca	aatagaaatg	aacgtgctat	72120
tttggcatag	tggtaagagc	ttgtagtcca	attcaacaag	tatgtgtttg	ccatatgctg	72180
tgtaccagcc	agtattctag	acactgggaa	tgcaagaaatg	gatttggcct	actgttctct	72240
cgaggaattc	acagtgtaaa	gaaggagaca	gatgtagaaa	ctatcatctc	agtatcatag	72300
aataagtggg	gtgtgacagg	attgagagcc	agtagaaaag	tacctaaagt	cttgggtataa	72360
atggctctac	ttggaacttc	aggaagaacc	tcctggatcc	aggccttgaa	ggatgaatga	72420
gaaagagtta	ggcagttaga	ggagtaggtc	agccttgagc	gcagtgggtg	agcaggtgtg	72480
tgggacagtg	caggaccag	tgccacctga	gggggtgggg	ttgggggttg	gggtgggggt	72540
ggggctgggg	ctggggctgg	ggctggggct	gtgccagaga	gctggccctt	tggtgcacg	72600
atgggctctg	cactcactgt	gggaactaag	gggtaggcca	ttttcagcgt	tagtagattc	72660
cttattgtag	ctctcatttc	tgaggattat	tttgtgggtc	tttttcagat	ccacttcttt	72720
tttttttttg	agacggagtt	ttgctcttgt	tgccaaggct	ggagtgcaat	ggtgcgatct	72780
cgacgcaacc	tccgcctccc	aggttcaagt	gattctcctg	cgtcagcctc	ccgagtagct	72840
gggattacag	gcatgcgcca	ccatgccag	ctaatttttg	tatttttagt	agagggtggg	72900
ttttcccatg	ttggtcaggg	tgggtcttgaa	ctcccgacct	caggtaatct	gcccacctcg	72960
gcctcccaaa	gtgctgggat	tacaggcgta	agctaccgtg	cccggtgat	caacttattt	73020
tttatttgtt	tgtccatctt	cgtcttgagt	catttaagac	acttattttc	tcttgagat	73080
tgttttttatt	tctagttttt	agggatgggt	ttttctcatt	tgttctctct	catttccctc	73140
ttcccttaac	ccctcccttc	ctcctctcca	cccgcggttt	cttttcccag	tgattttttt	73200
tttctgtctt	ttaacttgat	ctcatcttct	taggagaaac	ctttttcggc	agaagtccca	73260
taggtcctgg	ctgtggactt	gtattcacag	agcgatttgc	ttttgttttc	atctcctcgg	73320
gtcctagagg	gtccactcac	ctcttaccag	cttttttttt	tttttttttt	tttttttttt	73380

tttttttttt	tttttttttt	agacagagtc	tcgctcttgc	ccaggctgga	gtgctatggt	73440
gtgatctgag	ctcactgcaa	cctccgcctc	ccgggattaa	gcgattctct	tgccctccgc	73500
ttcctagtag	ctgggattac	aggtgtgcac	caccatgccc	agctaattct	ttgtattttt	73560
agtagagatg	cggtttcact	atgttggcca	ggctgggtctc	gaactcctga	cttcaggcaa	73620
tccacccgcc	ccagcctccc	aaagtgtctg	gattacaggt	gtgagccact	gcgcccctct	73680
cagtttttat	attaatataa	tttcttgact	tgggattcta	gtaccacact	gacaatgtga	73740
ctctggatgc	agtagctgcc	tgtgataatg	gtcttccctg	gtccccact	gagatgtcga	73800
agcaacccaa	aaccttttta	actgctacac	agagattttg	atgatgtggc	agcctgtgat	73860
ggggctcccat	cctagactag	agtttttcat	tctttgtctc	tgccctttgt	aagccaaaag	73920
ccacctaactt	gtttgcagtc	ctgaaaactc	tagcctccag	gaaccttgct	ctagtgggat	73980
cctgcatgcc	tccactcttg	tctgcctctc	tgggttttat	ttctggcctc	tgagaatgat	74040
gctcacactg	cccagtgcca	ggacgcaacc	tgggttcctg	agccttatgg	ggttaagtgc	74100
aaaagtgagt	cctgtcagct	aagcaggagc	tgctgagaga	cgaccacagg	aggtgggctc	74160
cagcagcttg	gcacgtgtac	cttcgtgggtg	catgggaaat	tttgattcag	gtgaaaaaac	74220
agtttaaatt	ctaggatatt	cttgcctttc	accaggcaa	cacctcacat	gttgacttaa	74280
cttgtgagtc	tccctttctt	catctgtaaa	gtagagatga	ttttacttcc	ctcatacatt	74340
tattgtgagg	attaaattac	tattgatgac	agcagtcaca	gtgaccttcc	atgaatgcct	74400
cctgcatgtg	cttgagtggg	atgtttcaga	gggtgtgttt	gttttatctc	atcctcttca	74460
gagcctgtgc	ttactgtgtc	attctgcctc	tctaagttaa	atgtgcagga	aaggcttcct	74520
caaagccact	cagtgggtgg	agtgtgtctc	cagtagtccc	gcaagcctgt	aatcccagca	74580
ctttgggagg	ccgaggccag	cggatcacct	gaggtcagga	gttcgagacc	agtctgacca	74640
acatggtgaa	accccgactc	tactaaaaat	acaaaaaaat	tagccagata	tgggtggctca	74700
tgctgtagtc	cccagctact	tgggaggctg	aggcaggagg	atcgcttgaa	ctctggaggc	74760
agaggttgca	gtgagctgag	atcgtgccac	tgactccag	cctgggcaac	agagtgagac	74820
tctgtctcaa	aaaatgtctt	ggccctcctt	gcaacaggct	cttgggcagg	cagccaccat	74880
gaaggggtgc	caagagtatg	agaagcatga	ggtccatgcc	tgcttcttct	ctgcctgtga	74940
gctgcgagac	cgtccctcaa	cacacaggac	tgactggctg	tctctcacia	gccagcatcc	75000
tgggtgctcag	gaaagccagg	tggcaggcca	tggggaagga	gtaccacctg	tggccctgtg	75060
ctggctcacat	gtgtggccct	cagaggaaat	ctccaaccct	ccaaacgctt	gttcaggact	75120
tccgtgcctc	gcacagtgtc	tgtaaatcct	gcagcagtg	cccattcaga	tagtcagagg	75180
tgtggcctga	tttctccatg	accctctatc	cttccgatat	tttcatcgct	ataggaattc	75240
cacttttaac	ttttcatttc	cttttagttca	gatctatgtc	aaaatgcaaa	cacaccttgg	75300
aggggaaatg	ttttaagccc	tcatccttct	tttacatact	tgtatggatg	tattttcta	75360
cataacaaac	tctgattagg	gggcctcaag	agaccaagga	ggagcaagaa	gaggtgtgaa	75420
ggttctctgg	cgtttctgcc	ttctcactgc	ctcccaggct	ctgctccttt	ccccttccct	75480
cctcctggcc	gcactaagtt	ctgggggttg	ttactgtcat	caatatcttg	ttgggtgttt	75540
tcatgctact	aatagtaata	atgtgtgtat	atgttgaagt	accctgtgt	cttttggggg	75600
aaaggtatta	tttaacttgg	ttcttctata	gattggaaaa	ataaaatttt	gaaccttatt	75660
caagaccctg	aaaaagtaaa	ctgtttccaa	aatgaataat	aatgaccaga	gtcaacagta	75720
gtgcagggga	gcattttata	gtgtcactg	tgtgtcaggt	actcttctga	gcccttaaat	75780
atatcagtgc	gttcactctc	atgatatttc	ctagatggga	acatattatc	cccatcatag	75840
aaatctgtga	actgagccac	atcagggttc	aatagcttgc	ctgaggtcac	acacagccaa	75900
tcaaggggtg	aaccgcataa	gaaccagggt	ggcctggccc	cagacccatg	ctctgcacca	75960
ctacatagcc	acccaccac	ctcctccttc	tgccatgttt	ggcacagact	tggccttggc	76020
caagtctctg	agagaggtga	ccactgggca	tgccattagc	cagagttttc	catgttatcg	76080
taaattaagt	ttaaaatgga	attctctttg	tttacctaga	cttttttttt	ttttaaagag	76140
acaaggttgt	gctttctcac	ccaggctgga	gtgcagtgg	gtgaacgggc	tactgtagc	76200
cttaaactcc	tgggtcaag	ggatcctccc	acctcaatct	cctgagtagc	ttggactaca	76260
ggtgtccacc	accatgcttg	gctaattgtt	aaattttttg	tagagatgag	gtcttgtctg	76320
gttgccctag	ctaactctga	gccccggggc	tcgagtgtat	ttcctgcctt	gcctcccaa	76380
gcattggaat	tataggcatg	agccaccaca	ctcgcccca	gacctttttt	aagtaatcaa	76440
tattctgtgt	acaggcttga	aagactgaca	tttccaaaaa	gatataattt	ttagaggaaa	76500
ttgtgtacca	actttaagca	agagaatatg	tatgctttta	tcatttgaga	aaaatgaact	76560
attgcttgaa	aagaaaagag	ctaaatatgt	tgaacttttc	ccagtccagc	tgaactgcc	76620

cttcagagtt	tactgtgggg	tggggatggg	ggttgtgatt	gtccttttca	ggttgaactt	76680
tttgtattat	tgtacatctt	atgttacaaa	tccttctaca	agctgcactt	agctcatatt	76740
actctcagac	attgaataat	tggtttaatg	tgagactact	ttctgggaat	gattcattgg	76800
tatttatttg	acatgtttta	gtgataatat	tgaatatatc	cactggaaaa	atccaagagg	76860
aacctttaaa	tgaaatcatt	tccatggcag	agttgggggc	aagagaggga	gttggagttg	76920
atctctcatc	gtgtgaatcc	cactccatca	gcacgtggaa	actgaggaag	agggaaggag	76980
tggagaagaa	ccagacgaga	gacacggttc	cagatgcttt	cccaagtggc	tgtgccctcc	77040
tcctattttg	ggaggaatgg	ctttgggtctg	cacctgcagc	tctggacgga	ctgcctgggg	77100
ctggggctgt	ggaggcggac	gactggggag	tctgatgggg	aggtgggtgg	cgggggtggt	77160
gacaggaaaa	atccgactgg	cggccttgga	gcagttcgaa	gagaggcggt	gtcctttgcc	77220
tgttggaatt	ccaacctggg	cgactttcag	ctacaccctc	ctccctcccc	tagccccaca	77280
caaaacaaaa	atgcctcaga	gcttcagtgt	aactggagca	ataccagctg	attctaacag	77340
tgtggcccg	cagcgctgct	tggctgggag	caggacaga	aaatgcctga	ggctccgagg	77400
tgggagccca	ggctgggatt	caggatttcg	ctgctccccg	ttcaaggcct	ctggagaatg	77460
ttccaaaggg	aggtgtggat	gtttcattca	gtactttgga	gggagaaaga	aatgggttct	77520
ttctctgtat	tctctaagat	agatttggtc	ttaatcttga	aaaatcattt	ctagccattt	77580
tagaaaaaaa	aaaacattag	tacagtatta	gtaaatatgg	atgggataaa	atTTTTTTta	77640
catacacata	ggattcaata	catttttcat	atgctgacct	tataagtcac	attgttttga	77700
aatttatatt	attaaaaatg	tgattagagt	tatattcatt	catgtttgat	tctcttttaa	77760
gaattattct	ctattagtac	ttttcttaca	tgattcaact	tggacttatt	agagaaataa	77820
actctggcac	actttctcca	gtcatattcg	ttgagcctgt	atttataaaa	ttggcattta	77880
ttggacctct	gctgtggata	ctatttactt	cttttgaaat	ttgtaaaaga	agaaaaaaag	77940
ttgagctttt	gtgatgacac	acaaattcaa	actaaatttg	atgcttccaa	agtatatggc	78000
agagacggat	gcaactattc	gttaccagaa	cagtggcgtc	aggaagcccc	gtgcagtggg	78060
taggggacac	ctggtgctgc	ctccacaccc	tgcacctgcc	agccccgtt	gtcctgagct	78120
tccgcagctc	ccgcctgacg	tttggctcag	agtcgtccac	actgctcgtg	tccctcggct	78180
gtggagcagg	gccacagtct	ccctgcaggg	ttgtttggag	ttagctgagc	cagcgtgtgg	78240
aaagcatagg	tacttgacag	accaccagtg	cctccatgga	gcaccaccat	tgttaactgc	78300
aggcttctct	agccatttag	aatacatatg	aagactcaga	aaaaccagtt	ttacttttag	78360
gaaattacat	attcatggct	tgagctatag	ccactgactt	tgtgcttgga	acaaaataca	78420
taattctttt	tgggtcaaaa	gattagattc	aaattattgg	tcatcagaaa	ctgaagtttc	78480
ctaaggcata	tcacacgtaa	ttcaagggtg	ctttgatgtg	ttattctgct	aatccacaac	78540
catggaagtt	cctggttagt	gcaatgtttc	atgctctgac	agctatcttt	aagatgttgt	78600
ttttgggttg	ccaggtgttc	atttaaacac	actggccatg	tgtttgcaca	cgcacatgtg	78660
catacacata	gccactgcgg	agcgccagga	gctgtaaactg	aacgtggact	tgatagagca	78720
gtatcgatg	tttttgtctt	cagggcaagc	tcttgatgca	tagcttcatg	tgacatctcg	78780
tttataacag	cttgaggcat	cagtaatctt	tatagcaaga	attctagtgc	tgtgttatgc	78840
ataccaagct	taccgtttat	tctgccagct	aaatacatgg	cttttatgga	gtcataaatc	78900
atgacagtag	gagtcatacc	tctccaaaaa	agaagagatt	taaactctta	gagttaacaa	78960
gatttaatgt	aatttagaca	ttattcttac	ttagaagtac	cattcttatt	taaaggcagt	79020
atatctcata	tctttaaaga	taactttaga	aacttactgc	cagagaaaca	aatattgatt	79080
aagagcacac	tgtgtgccaa	gcattatgct	aggtgctgga	gagaagggaag	gggaagaaaa	79140
ggctctcacc	ctcaagtaac	ttgaagctta	gagggacaat	gataaatagt	aaaagattct	79200
agagtcgggg	catggtgggt	cacacctgta	atcccaacac	tttgggaggc	tgaggtgggc	79260
ggatcacctg	aggtcaggag	ttcaagacca	gcctggctaa	catggtgaaa	ccctgtctct	79320
actaaaaata	caaaaagtag	ccgggcgtgg	tggcgcatgc	ctgtaatccc	agctactcgg	79380
gaggctgagg	cgggagaatc	acctgaactc	gggaggcaga	ggttgcagtg	agccgagata	79440
gcatcactgc	actccagcct	gggcagagca	agactccgtg	tcaaacaaac	aaacaaaaaa	79500
gattctagag	cagtctgata	agggtagagg	ttccgtactc	ttcttgtgcc	atgaagcagg	79560
aggaaaggcc	tcctgaggga	gctgaggctg	cacgaggatg	agcaaggttt	cataatgtcc	79620
tccagaggcc	agttttacaa	gctgcatcag	ctcctccctc	ccagccaccc	tgccttcat	79680
aaagctctag	ttttgtaggg	gatgggggtg	gatgggggtc	cacctcagct	gccggcatga	79740
gctaaggggac	catataacag	tcagcaactgt	ccatcgcttg	cttctctctc	tttctaattt	79800
acatacagct	aaacacagat	ttttaatgaa	tggctgataa	gttttgacag	atgtctgcac	79860

ctgtgtaatt	atcaccccag	tcaaggtaca	gagagcacct	ctatcccctc	agaaagtttt	79920
ttccatgctg	gctgttgtgt	gccagtgtgc	caggagagca	tggggcaggg	gaatgatggc	79980
cctaagaaaag	gaaggaggaa	cagggggaat	cttgaattac	attctttccc	cacgtggaga	80040
tagatttgtg	ctaattccac	aacgtggaac	atcctccttc	gtttgcttag	acttccctgg	80100
gagcagtagc	ccatgtactg	gtggcctagc	tcaactgtgg	cttggttctg	ggcctgtaaa	80160
gccatctttc	ccacctacag	atgacattcc	ctatcttcat	catgtgcttt	tagtcagggt	80220
tectgcgggc	cagatgcac	tgagagtgtg	ccctcattaa	tatgggactc	tgtgtatgtc	80280
cagcacatgt	ggggtttatt	cacgtaccag	tgattattat	tcaacatcgt	tccctttagt	80340
gcagcaagca	ctttctgagt	gcttaccatg	tgccactttc	tgtgaacctc	tgcagttcaa	80400
cagtggagtc	agaggcagtc	cttgtttctc	agtagctcat	gatctactgt	gggagacaga	80460
tggctagatg	atagggtgta	gtcatatccc	attatttctg	ataccccaaa	tcttgatcag	80520
aagccttgat	cagaagctag	gaaggcttct	gatcaagatt	tgtgggtgtc	agaataacaa	80580
cgattacagc	aatagtagtt	gcttattgag	tgtgtcctgt	gtcctaggca	cagttctgag	80640
tattcgtctc	ttacctcatt	taatgatgat	acctctccca	tgttgcatat	gaggagactg	80700
agggccagaa	tggttcagta	gtgtacccaa	ggccacacag	ctgttaagtg	gcatgagaaa	80760
gaaagaaaat	ttcattttta	gcctcttaga	tttttgtgga	ttgtttgtta	ctgcagcacg	80820
aaccagccca	tcctcactga	taagagcccc	agtgtgcgga	gtggattcct	gagccagtta	80880
aaaggttgct	acagcagtg	aggcctgggt	ggaggggtgt	gataagcctg	gaaataaaaag	80940
gacatatgtg	agagacagta	atttgataaa	gagtaaatgaa	agaggaagct	ttcttttcagg	81000
tagcttattc	tgtttcatta	ttgtttgttt	ccttttgagg	aagaagttga	atttttcattg	81060
ttggcttatg	ttttcaagg	tgacctcagt	attttatttt	attttatttt	tttgagacgg	81120
agtcttgctc	tgtcgccagg	ttggaatgca	gtggcgtgat	ttcggtcac	tgcaacctcc	81180
acctcccagg	ttcaggcgat	tcccagcct	cagcctccca	agtagctggg	actttaatgt	81240
ttttatattg	gtgattttga	gcagagactg	tattaccatc	taaaacacta	caagcctagc	81300
atgtaagctc	catgtctgtt	tgtcctcat	tctctccagg	gcccctggca	cagttccggg	81360
cccacagtga	gtgctctgta	aacttttagg	gatgaacaaa	tgaatatttt	taaatctgtt	81420
cattgttttc	acagttaaac	ttttctaagc	acttatgtaa	tactgtgttt	acttaatttt	81480
catttctcac	caacctttat	ggaagactag	gtgataactg	gttaaattgt	aatacagtat	81540
cataggtata	atctcgaaaa	ggtaaaaatc	aaatgtaacg	aagcattata	atccagtgc	81600
tggaacattt	tatgcaagcc	tttgctcttt	atttatctat	ttttttatca	tacacttctt	81660
cccagttttt	gcttagtcct	tgttagcagt	tacattaaaa	tctgttttaa	gttccacctc	81720
agggaaatc	aaaagttgg	tacttttcta	aatgggcctt	taattaaaa	tttaaaaaat	81780
tagaccattg	tgttagattt	tttaaaatgt	tggctaaaa	agaaaagggt	gattttcagt	81840
cagttgggct	gaaactatac	ttaaatagat	taaagtataa	tctggctttt	aaaaaaaaa	81900
catctgactg	ggatgaagta	gttgtgtgt	taactgaagc	aggtgaatgg	accatattcg	81960
ccttttaag	ccttctgact	cccagggttt	ctgattttta	aaaacttcct	atttagtcat	82020
atgtttttac	ttcactttat	ggttttaagt	agccaaccaa	caaaagttac	tcataaaaga	82080
tagtattttta	cttgtaacaa	ttgcagaaaa	agtgaaaagc	ttgacattac	aggtagaaag	82140
gaagtcagtc	tctgtccctc	gtgcgtttcc	gagactgtgt	ttctatttat	ttgccttttg	82200
tctgtttccc	ctgaccagcg	tgcgtttctt	tctggaggcg	cagggacctc	ggcttatttt	82260
tctctgtctt	tgcattgctt	gacagagggc	ctgaccagg	gtaggcactc	ccgcttcatg	82320
actacatctc	attttttatt	tatctttgtt	atgatagata	gcagataaag	cagttgattt	82380
cagtcagaag	cagaccacag	cagcaggatt	ctttccacgg	tgcatgttct	ggctgagtgt	82440
tgggtgggctc	caccctagcc	gaacctgtgt	ctgcacacct	gttgtgtctt	cctgggaggc	82500
tcccaggcat	gctcctgtct	ggccagggtg	cttcctctc	gctctccagc	tggctgaagg	82560
gaagctgggc	aagagtgtat	gtgttttagg	cacagggaga	gcacagactc	ccagagcatg	82620
aaccaagggg	cttccaggcc	tcagggaactg	cctcctggtc	ccccagaggc	cacctcactc	82680
ttactcctgt	ctccaggctg	gtgacctcac	atggccccag	ccatctctcc	acatcctccc	82740
ctccctgctg	tggagccccc	actgacagat	gccttcccc	tgtgttttgg	ctccaaattc	82800
caagttagag	taattgcgtg	gcttcccttg	ggtctgtctc	catccctgtt	gtagtccctc	82860
acagcccaga	ctgtggactg	cagaggcatc	acctaggggc	ttgtctgaga	tgcaagtctc	82920
caggctctac	cccagcatcc	ggaatcagac	catcctcagg	ggattggaat	gcacagaagc	82980
atttaagaag	cgctttgtaa	agccatggcc	tctcctgcgc	aaagaactgc	gtggtccctt	83040
ttcctggagt	aggaggctgt	ggctacagca	ttttcatctg	gaaggaggcc	taggaaatga	83100





aatgccta	gatctgag	ggaacagtt	catcctga	tcttcccc	aacccctct	86400
ccccgag	tgtggaaaa	ttgccttcc	tgaaatcag	ccctggtgc	aaaatgggt	86460
ggaactc	ctttagata	aactggata	atcccttata	acatagaca	cagtttga	86520
aaactgt	tggcacag	gtaaatgt	cagcacctg	acccatgca	gtattagg	86580
aaaacat	tgagtccg	tatataac	ccgagctcg	aagcaata	agaaaagg	86640
gataaatt	agtacatt	taaaaagt	gatgaca	agcaaata	cacataaaa	86700
gataaaga	aaatagt	aaagatttg	aacttaaat	acaaacaga	agcctaata	86760
ccataata	aagagtttc	aaaaataa	gaaaaaac	atagccct	agaaaaat	86820
ataaaaga	tgaataga	gtttacaga	aaacgcaa	gtgaaacag	gctcaact	86880
gctcataa	agaaaaat	acattaaac	actcactg	ataccatt	tcacctgt	86940
gatataca	gtagtggc	agaccatag	gcaacaaat	ttctcttg	gtggtgaaa	87000
tgcaaaat	agccgtct	gtagataga	atttggtag	tctggtaaa	ttcatatg	87060
tttgcttt	gactcagc	tcttgcttt	aggactct	actagaaac	agttcaag	87120
cattaatt	aacattatt	cttattcca	ggagttag	acaaaccag	tgtccatc	87180
gaggggat	ctggtagt	catgtaata	aatacaat	attgtaaaa	tgaatga	87240
agacctgt	atattctg	gagtgatct	agtgatgt	tattatgt	aaatagca	87300
cgcaaaac	ttttatag	tactatat	tttatgta	acagaggg	aaatatga	87360
atagtaca	attcatata	ttatatac	atatgtat	aaatatac	acacacac	87420
acacacac	cacattttt	ctatataa	taaaaaag	acatgga	aataaact	87480
aaactcat	taaacatg	tagcttta	aggagagg	agggtgga	agacaggg	87540
agaaacta	attctttg	tgtgcctg	ttataga	actttgaa	caggatat	87600
ttttactt	ttaaaaat	aaaaggaa	acaaatac	tctcttga	gaaagaaa	87660
aaagggag	ggttgagg	aggaaga	agaaaagg	ggaaggaa	tatgtata	87720
tcacagag	gatatttg	ctgatttta	aacatcgt	tttgaca	taattcta	87780
ggggtatg	ctaggaac	aagagccac	gagaaatt	aaactgca	ctgttagt	87840
caacgttg	attgttact	tgaaatac	acactgtg	tatgtgt	cactgttt	87900
tatgtgtg	ctacatac	tattttaga	tagagaaa	tgattatg	aaagctgt	87960
gacagcaa	atttcagc	aatagagat	caaagata	agcaaagg	tgaagttt	88020
aaccctta	gtttgagt	gaaatagc	tatgaaat	tggttagt	ttttcttc	88080
agaaagt	tatttctac	ccttattc	tgaaaaga	taaaatcg	gagccctg	88140
atcatcc	ttgtgctt	ttaatacc	ttttctct	aaggaa	ggctcctg	88200
agatagg	ggttttag	ggggcagg	atgggga	tggaacct	acatatag	88260
gtacaaga	gttgccaa	tccccctg	gctatgtc	aaggacac	gaccctta	88320
gtgttgcc	ttgtccaa	cagggatg	ttgaggat	aaaaaaaa	tgcatggg	88380
tgaaacac	agaaaaca	actggttg	gtaaaaaa	caaaaatc	atagtctg	88440
atgatgct	gaatgtat	agtaagt	ataccacg	tgaagttt	ttgctaaa	88500
aaattaat	caaccaa	aaacctct	atctaact	cagtttag	aaaatac	88560
catgagag	aagggcag	taaagaaa	gtagtcac	aatccag	gcattaaa	88620
gaatttaca	gacaaac	cagcttg	agtgcag	ggcttgaa	gagtgagg	88680
gaacatac	ttacagat	aaactatt	ggaggcac	caagcag	ctctgtgt	88740
actttgtg	agtgtgat	tgaacaa	agttgtaa	gacatttt	agatgttc	88800
ggagagat	ccatggat	ttgaacgt	actggctc	aggtaata	aagaaatt	88860
aattaatc	tctaggca	acaatggc	tctggtta	tttgttaa	tgctgtct	88920
tagaaata	aaggattag	ctggtgaa	gagttgct	gatttatt	aaatactc	88980
ggtgggaaa	agtgtggg	gaagacag	gaaacaag	gacaacat	tggtttct	89040
agccgaat	tgggtgtg	agtatgt	atacctcc	ctctctgt	tttggtgt	89100
gtttggaaa	tttcattta	aaaaatg	aaaaat	aaagagtt	tattgtgt	89160
gacccgag	tgagagct	tggtgggt	gggactca	atggaatc	aaaggcag	89220
ttatcaaa	agtaacgt	gcagatgg	gccgttc	ccctctcc	catacaga	89280
catttttgt	gttatatt	tagacaca	agacattt	acaggatc		89328

<210> 333

<211> 37322

<212> DNA  
 <213> Homo sapiens

<400> 333

gatctataaa	tgtgaaaaag	aagtggctgt	agaccttgggt	gggttttcatt	tcagtgggtgg	60
ggtgggggaa	caaagcgcca	ttagatgagc	aatgaggact	gaggtggagg	aatgtgagtt	120
gagtattgag	aattcttcat	agaacttttg	ttacaatgga	gagaatatat	gtaaagagaa	180
ccgtaactgt	ggatgtagag	aggggtccag	ggtattaaat	tatgttttaa	aattatcaat	240
gataagagac	cctttcaggt	tgaatattaa	gaggaagggg	ccatctcttt	ttagatctac	300
aaactgaatt	caccacgccc	ctatttccac	actttacttc	cttgtttcta	ttctggggaa	360
gcctaaaact	tcacaaaagg	gatcgtgtag	agtttggcct	taatgtctat	taactgcaag	420
gatggatgga	tggatggatg	gatggatgga	tggatggatg	gatggatgca	agatgtgtca	480
aacagctgct	ggtaatttat	ggtattttat	ctctcaggac	agagttctca	cacaagtgac	540
tgaatctgtg	gcattgggtg	ctgagagcag	gcaatttttc	aggtctctgc	aagatgggag	600
caccagctt	cagtgttcag	aagcagattt	aggccgactt	ccgtacctta	catcctggag	660
ggatccaccc	tgacttgagc	aggtgaggtc	acagacaggc	ttgctttcca	caatggggaa	720
aagattacag	cctgctcaga	agcgtgttgt	ggtccagctc	ctgtgtcatt	caaaaagact	780
ccataaagtg	cagatccaga	tcctctccaa	acttgaactc	aaccaatgtc	atggagagac	840
attcttaatc	cccttctatg	aaaacagtgt	cattagaagc	accagagggc	cacacacaca	900
ccctggaaat	gtaatgccag	cagtagctct	agaacctgca	gactcaagtg	cctgttgtct	960
attgttttta	ggctacatgt	gaaaatggac	catttttcaa	taaaaacata	atgcaatgat	1020
gattattaga	gcattttgta	tactagggat	ttttttaagt	tatctgaaca	tcaaattaaa	1080
tataatgaca	atgaaagaat	ttccacctgt	catatcatca	aagtataaaa	agaaaccatt	1140
caggattcca	gtaaggtggg	cacatgcagg	gaagtctacc	ctgtttcata	ttggtgggtg	1200
ggatgtcatt	tagtacaacc	tctttccagg	ttgatttggt	aatttctatt	aaagactcta	1260
tgcctccccg	atctgcatgt	gtttagggcc	tgctccttca	agtattcatc	ctcagcatga	1320
ccctgtcccc	tctgagagtg	catattcttc	ctgatacagg	aactgtctgc	ggactccagt	1380
ttctaaagca	atggcccaga	cacactccct	tgtctacaga	gtaggaaatt	taggtctgac	1440
aaggctgtct	ttcagaagag	agacagaact	gggagcttgg	cttcagagct	gaagatacag	1500
atttcagtag	tggctggggt	cagcaggaaa	gcaagatttg	cttgggttatg	gtgtgatgtg	1560
cagctcagcg	tcacagctcg	catgggggca	tatagggtgc	cggctccctgc	ttttccactt	1620
agtggtagga	tgtccccag	ccagggttgc	taacctgcaa	acatcactgt	ttcttaagct	1680
acaggatggt	acagagatta	tatcctctac	ctcccaggaa	tgttgtggga	aattcatgag	1740
atagaaaagt	accagagttc	aggaaggggt	agtccccaag	gctccctgag	gccagaggta	1800
ctgcccttct	gcgggacttt	atgttacaat	caacctatga	caatgcacaa	ataaatggtc	1860
attcaattac	aaaagagtac	aaggacttat	atttactcag	ttcatccaat	atcaattata	1920
ataaccacac	gtgtaaaact	gaaagtaact	acatggaaat	cacttctcct	tccttcccat	1980
ctaaggtctc	agaagtgcct	tcccagatgt	gatctcatta	acctctatat	cgatctgaga	2040
ggtgttaacc	aaaactggcc	agcacagggg	aaattactca	cctaaggcct	tataatgggc	2100
ctggccccc	gtgttctatt	gcattgtttt	tctgcaaagc	ctaactttgc	agggttacat	2160
tatacatatt	tttctttctt	tttcttttgc	ttttaccaa	agataaaaa	atatactttt	2220
ttattgttaa	gaaacatttt	cataaataag	tacttatttc	attccttact	gaaatggctt	2280
ttttcttact	gaccatttga	aaccatgttg	gctatgttca	acataactag	agatatcttt	2340
ggcgttttcc	tcccttagct	tcatatcttg	tagaacatct	tgtacaaaa	agtagattta	2400
cagaaaaaca	tacatatata	tcacttatta	atctccaaat	gtagtaaaat	aacatagcaa	2460
aaactttatc	aaatccattt	cgtgcacaaa	ctggacagat	ctgttacgta	taatctctat	2520
atgcatctgc	agtgttttat	aaattgggtg	tttgacatca	aaaaggaggt	ttacaaaaag	2580
tcccctctag	taatatcaat	gactcggaat	gatctcacta	tcattgcac	tcaaattccc	2640
ttgaatttat	actcatcact	gtcatatcac	cattcttaca	aaagcggtta	ttttaaggaa	2700
aaagatgcag	tgtgattatg	atataagtaa	cattcaaaat	ttcatgttat	caagagttaa	2760
gcagagtact	aatttccctt	ttataaacac	atgcacatcc	acgtagaaat	tcaaagtcaa	2820
actgcgtaaa	gtgcttttat	tgacagaagg	catcacacac	attcccaagc	agcattgttc	2880
ccatgagaaa	ctgaaaacgt	atttctttga	atctagaatg	catcttccct	cttcagggtg	2940
taaccattca	gagtttttcc	tggagcgatt	ccagcttggt	tccttttggt	gccttcccta	3000

09873367 " 050501

agaaattttg	cagctgtttc	tgggtgcagtt	tttgggtggg	ctctgggggtg	ggcagacgat	3060
cttcactttg	cagaggctgc	tcctttttgtg	agtggagctg	gtgggtgaggg	agtaggagag	3120
gcctcgcac	atcctggcat	tcaggccctt	agccatggag	aaggacttga	ggtggcttct	3180
taaggcaatg	gggagcggga	gcttgtccac	cagatgcaca	ggtgtgcagg	acacgatggt	3240
gcggcagcag	aggtcttgca	agctcagtac	cttgctcggc	ctcccagacc	agttcaacct	3300
gtgccgcagc	agcactatcc	tggccagctc	cgtgaaagac	tctatgatgt	tgaaattgca	3360
cagagggctg	acctcaaaga	aggtcacgcc	caggcgctcg	gcgtaggcct	gggcctgctc	3420
cctgggcacc	tgctcttga	atgccagatg	taggcgattc	cccaccagga	ttttagggac	3480
accaggggca	tgttcctcaa	tcttcttaat	ccatcgatcc	ataccctcga	aagaccagcg	3540
gtttgcaatg	tcgtagacca	ggatcactcc	ttgtgcacca	cgagagtagg	agcggaatat	3600
ggtacaaaat	cttcctgcc	ccgacgtatc	ccagagcttc	agcttcaccc	gctggccgtc	3660
cagcaggatg	gtggtcgtct	tgtagtcgat	tccccccagg	tgactgtacg	gggactcggc	3720
cgtgccgtcc	tgaggctct	ccaggatctc	actcttgccct	acgtccctgt	cgcccaccag	3780
caggaacttg	agcaggaagt	cgtaggcctg	gtcggggctg	cccggggcgc	tcactcgtgct	3840
ggccccgccc	ccgcctggg	ccagaccagc	aaggttgtgc	gcagaggcgg	tgccgggcct	3900
atTTTTcttg	agaaattagc	atagaacata	aaaaatggga	tggggaagtc	tacgaaataa	3960
agtgaatatg	ggtggtggct	ttgatggttt	tctttttacaa	accctgggaa	accggttcag	4020
cgattgtttt	cctttttctt	accagcacca	gagtagtgac	acagcagtta	attcatcatg	4080
gaaacctata	catttccctt	aaaactttca	tgtgatcggt	atggaacat	gccttttggg	4140
ttatgtcaaa	ggaatctcct	ttaaaggaag	gacgggtatg	agataggaag	cagactaaga	4200
tgtgttgagt	accgtatgta	ccctacgctg	tgtatgacgc	ttaaaataat	ttgttctttt	4260
acttctcaga	acaattgtct	ttggtagcta	tgattgtttt	cattttacaa	atgagaaaag	4320
gcaaaactcag	aaatgttacg	taatttttaa	aaatcttgcc	gttagtatag	agatcacaga	4380
aatcacatc	ctgagccagt	gctctcctta	tataatgccc	cacacatcct	ttctactctg	4440
tggccatgcc	gggttttagg	gtaagtgtga	actgtctgtg	catgtgatcc	ttgacaagcc	4500
acgcatgttt	gcatgggcac	taacacattt	tttgctgcag	ggggacatct	cccataaata	4560
taagagccaa	gatctcagaa	gaaacatcta	ggatatggat	ttttctagag	tgtctcataa	4620
ataatattca	gccaagaaaag	atgtgttgaa	ataacgcagt	catagatcaa	tgaagggttt	4680
tagatttaac	acacgtacag	atcctataac	aaaacagcaa	aactgacaaa	atatataaat	4740
ggttcatgga	tgatgaaatg	caaatggcca	ataatcataa	gaaaatgcat	tctagctcac	4800
taatatataa	ggaatgcaaa	tgcaactatc	taaatatact	tttatcacct	atcgtttgac	4860
aaaatttcaa	tgtagaaaaa	actgaataag	aatttttttt	taatttgcaa	aagaaaaagg	4920
taaaagtggc	tctgtgtgtg	tctgtgtatg	ggggcaggat	gagggaccaa	atacatcaag	4980
gaaatggaaa	cacacttctc	agttataaat	gcatttaaat	attgtaacta	caacagggtat	5040
aaagatgggt	aaagggaatga	gaatgctcag	acacatataa	gggagttaa	attattgaaa	5100
tcaagcccca	agggatagat	gtgtaagcat	gtaatggatg	aaacattttt	cacatgtaca	5160
aaatagccag	gtaagagggt	atgtgtctaca	gtattgtctga	aatctttttt	aaaaggaaaa	5220
aatgagaagc	attctaaata	ctcatcaata	cagaacaaac	aataacaaag	ttgtctccct	5280
aatttacaca	aactccctta	aagacatcgc	catgatctga	atggtggaat	ctgaccattt	5340
cttaagcctt	ggaagtgcac	cttctaaaag	ggagggtgctc	tcagggtcct	ctagggaggg	5400
tgagggatag	aacctcatte	caatcctgcc	acttacctca	agaggcgact	taggttctgt	5460
gagcctgagc	ttggtcatct	gtgaaatggg	actgactata	ccatcctcac	ggagtatttc	5520
ccaggcataa	atgggaaaac	ctgtccaggg	tatatggcat	ggaatgggag	gcttcaatgg	5580
ccctttaaat	attgagacat	agcagtaggg	gttagctgaa	cctcaaggcc	aaggcaggca	5640
tcgtgaaaaa	tcattactca	ttgtttctcc	taatgaaaac	acagacatcc	atataaagaa	5700
ggcaaactct	cctgatacac	cttgattttca	gagttttaga	gatggagtcc	tctacattct	5760
tgtgtgtttc	ataatctcac	gaaaactgtt	caacatcatg	cctccgagaa	gacacaaaac	5820
cagttcccca	tgctggttaag	aaaaaaactg	atcgggtgtaa	atgtaaaaac	atatgtctca	5880
gggcatccac	aaaatgaaac	accaggtagc	agtgcggggg	ctgtagaaag	gtgacggaga	5940
gaggtcggag	gcactggagc	agcatctggg	gaactgtgtc	tatagtgtcc	tggagagggg	6000
aagactgaaa	gagagtgtga	gaaggtctga	gaagcctgta	cagggataga	gttatggaga	6060
gtgaatgcct	tgctctctgg	agggacccct	cctccccgcg	ccccgcccc	gccccctccg	6120
acagtgtgga	cacttcaacc	tacactgaga	aggggaagaga	tgataaatca	gtgaatgcga	6180
tgtagattta	gggggtcaaca	gcaaatggac	ctgctttaat	atacatgtga	attttccaaa	6240

cagaactgga	atcaaagtaa	acaagtcatt	ttgaaacatg	ttactctgca	aaatgtacaa	6300
aaacagagat	agctctgatg	cctcctagtg	gccagagaca	gaaacgcagc	tctgataatc	6360
tcaaaccagg	gactcaggaa	gagggaggca	tggaggttgg	aggttagctc	caatgtatca	6420
gccacagttt	tctggaatta	ttcaccta	ggtagcaatt	tccatgtatc	catcatgttc	6480
cagaatatat	gaaactgata	ttgggttcaa	tccccgctgg	aactaaagtt	gcatccatga	6540
ttttgtat	gggggtgtag	agctagagga	cacaccacac	caaacaccca	cacacacaca	6600
caaaacctct	gtcaattgga	cttggttatt	acttctttca	caataaaaata	gaataataagg	6660
aatgcttttt	caaattaatg	gacattatgt	acaccttaac	tttgacaatt	tggtccaaag	6720
tattttgtgt	gttcaaattt	tcatcagaat	actttttatc	ccaaatacca	gtttttgaac	6780
agtacacaag	agcatattga	taaatcaaaa	ttaacctgag	ctctcactgg	tcaactccca	6840
ctccttaacc	ccaaggggtc	tgctgttctt	aggatggtgc	atactctcca	gacatgtccc	6900
tgaaggtag	gtacacatca	acacgttcac	ctacacacac	acattgtctt	ctccaaaagt	6960
gcaatcatgg	tacttatctt	ttgcatcttg	tcattataaa	ttctcaagat	tttaaaatat	7020
ttgcatttta	ttagtctctg	tgggggtggc	gtatttttagt	atgtttattg	ttcatgtaca	7080
tttcatttta	attctctgtt	gaaatagttg	ccattttgtt	actatgtttc	acaaatcatg	7140
gatactaacc	caattaaact	tcaaaatttg	acttttaaat	tacacagatc	ttaaatttca	7200
aagaaaaaac	attgaaaaac	acctggggag	caggtagctgc	cagcctggag	ggagattaga	7260
gcattcaggg	ccctggagga	atgaagagaa	atgataaaaag	tctagagtat	tacagagttt	7320
gtgcttatca	ggaaacaaca	aagtgtgtctc	cctgattttac	gtaaactcct	ctaaaggcag	7380
cagcctaatt	tgaataatgg	tgataatgac	cttgggtagc	agttaagatt	aaaggagatg	7440
aggtgtaaag	tgcatcttgc	tacagtaatt	cagtgcattgt	ttctttcctt	ctctgcagct	7500
cacctgtccc	aaggccaaca	cctgagcttc	tgcttgagcc	cacttgccac	tttaaggatc	7560
agccctctca	tgtggcccta	caaccagatc	tcattggcaca	aagcacagga	tttcacttcc	7620
cctgtcatct	tcagaggagt	tgttgagtag	gaacccatgg	gactacaata	gcaggggagt	7680
ggaatctgac	catttctcaa	accctggaaa	gccatcttct	aaaagggggg	gctcagggtc	7740
ctctagggaa	ggtgagggat	ggaacctcat	tccaatcctg	ccacttactt	ggaaaagtga	7800
tttaggctct	gtgagcctga	gcttggttag	ctgtgaaatg	ggattgacta	taccaacctt	7860
acagagcagt	cctgaggggt	aaatgagaaa	atctgttgag	aatatacagc	agggagtggt	7920
ctttaagtat	tggtacacag	catgaggggc	tggctgagcc	tcaaggctaa	ggtagtcatc	7980
atgaaaaaat	cacttctcat	gttttcgcct	aatgacaaca	caaacatcgt	gaagaaagaa	8040
gcaatctctc	tctgaaatgc	cttaagttca	aagttttaga	gaccaaaggt	ctctgcattc	8100
ttagggtgct	gaaagttcct	aagagctatt	caacatcatg	cctctgagca	gacccaaatc	8160
cacttcccca	tagtggttag	acaggagcgt	ttgtgaactc	acctgggtgag	ctccacgaca	8220
gatcacatca	gggacacaag	gagtggaat	tatctaata	gtgctccagc	actgctcagt	8280
attttaatat	gtttatagga	atcctgtaga	cgggttctgc	agtaaacagt	gcaaggttcc	8340
cagatcacac	attatccagc	tacattacaa	gaggatttca	gctatccgct	gcctccttga	8400
gaggcaaaaa	tctaggaatt	acaagaattt	ctataacaga	caattttcta	ttctttcatt	8460
aggtaataac	tgaaagtgtg	ttgagcttta	aaagcatact	agtctactgg	aggtgtctca	8520
ttaaactaaag	tggaaagagg	gtaagaattc	aaatgaatat	atgggtaact	tcattggttca	8580
catttgagag	gagatggttt	cttcaaat	actttaaact	ttctcaaact	ccaaagaatt	8640
gaaaattctt	ttttgtttta	aaaatccttt	tttgttcttc	atcacctgat	acagttcgaa	8700
tatatgtccc	tgccaaattt	catgttgaat	tataatcccc	agtgttggag	gttgggctg	8760
gtgtgaggtg	tttgggtcat	gggggcagat	ctctcaaggc	ttggtagtgt	cctcatgata	8820
gtgagtctcc	tgagatctgg	ttaagtgtgt	ggcaccctcc	cgcctcccca	ccgctcccac	8880
cgccactttc	tctctcctgc	tttcaccatg	tgacatacat	acttcagctt	cacgttccat	8940
catgagtaaa	agctccctga	ggccttctca	gaagctaaac	agatgttggg	gccatgtttg	9000
taagcctgca	gaacatgag	ccaattaaac	atctattctt	tataaattac	ccagtcttag	9060
gcatttcttt	atagcaatgc	aagaatggcc	taatacatca	tcaattcaat	tcagccacag	9120
gatatctttc	ttttctcttc	tccctctctc	tctctccctt	cctctccctt	tcctttcccc	9180
tccctctccc	ctccctctct	ccctctttga	ctctgtcttt	tccttctctt	tcaaaaaatt	9240
ttctaatttt	ctacattctc	tattaacatt	atttccatt	tactctttat	cccactgcgc	9300
tgtggcttct	gtccccagga	ttgcaatgaa	catgatctcg	ccaaggttac	aatccctttt	9360
ttggctacta	gggttcagttt	tttgtttaca	tatataacca	tactgagtat	tgctttcaat	9420
gaactcataa	aatatgcatg	cttgtccagt	cgtttcttta	aatttaacac	aaatctgtga	9480

caggctctgg	agcatgaggt	actggacaca	aatccaagct	gtccactcc	ctaactatgc	9540
agtatcaagc	aaagtcttta	ttctctctgt	cattcagttt	ttcatctata	aaataaggat	9600
tagtcacagt	atctaccttg	taaaacagct	gtgagcactg	actgactcaa	tacattaaaa	9660
gcatacagtt	cataagaaat	gttagtcatt	ttaaattctt	ttacatatc	ttactggcat	9720
tagtatcact	gtagacatga	aaagtaggat	atcagccaat	gaatagtttc	ctagggccac	9780
cataacaaat	tatcacgaac	tttgcacatt	taaacaacag	aatttcatta	tctcatgggt	9840
cagaagtata	aaaccaaagc	ccaaagtaca	aaaccaaggt	gtaggcagga	ccacactgcc	9900
tccaaaagct	ttaggggaga	atcctttctt	agctcttcca	gctcctcctt	tatttggtt	9960
gaggcagcat	aactccaatc	tctacttcaa	tcttcacatg	gccttcttcc	ttgcatgtgt	10020
caaatctccc	tctgctttct	tttatataga	caccagtcac	tggagttagg	catcaacctt	10080
cattcaggat	atttacttct	ggagatcttt	cacttaatta	tatctacata	gaccctattt	10140
ccaaataaag	tttggttggg	ttaggttttg	gacatgtttt	gagggggaca	taattctacc	10200
cactacatgt	aaacacgcaa	gttactactac	aaatgttaga	taaggtagct	tttatatgtt	10260
aatatataaa	tgtgtatgc	atatttaate	taggttttta	tcctctgtgt	atgaagtact	10320
cttaaacaac	agagataggt	caattatate	aagagacaat	gcaataaaaa	ccaatattaa	10380
tctcccaaaa	acacttgtag	acacacacac	acaaaatgaa	aaagaatcag	atltggacaa	10440
tcaacaaagt	cataaattat	aatgtagtat	atgggtccat	tgtgaaaaaa	tatatatatc	10500
tatctctctc	tacatgggtt	tatatgtatg	tgtgtgtggc	taaaaataag	ttagtgtact	10560
acatggagag	aaaaaagatc	tggagaatag	atacgaataa	attaatacag	gccatctttg	10620
tattatggag	atggagaaga	tttagacaga	atatttttaa	tttctaatat	acatttcaat	10680
tatgtttcat	atggcttaaa	caataaaaaa	agttaataat	gtgacaaaag	cattaagata	10740
atgttttgta	aatcaggaaa	atctgtgacc	ctagtacaaa	aatgatagtg	tagaaataca	10800
tttattgact	aagaatcaca	ttcatatgct	gtggtataaa	aatagtatat	taaaaagatt	10860
tatttaataa	atcagtatat	ttgccttgga	gggagataga	ggatatttgt	tttataaatt	10920
tgcaattccc	tagtgtttta	aatgtggaaa	tttcatttgt	caaaatgtta	aaaacaaaaa	10980
acactgtaat	tgtgacctga	ttatatattt	gatgccaca	tattcattgc	tctggaaaca	11040
tgcatataga	aaattccaga	aagcttttgt	ctctacaatt	ctatacaata	gaatacatgt	11100
gcctccctta	ctccactcaa	atctcctacc	cctttccaag	ctcttggttg	actttaattt	11160
ctgcaattct	gactctgggc	accaggtgag	agcattctgt	atltcttcca	atgaaaaggc	11220
ataatttgta	taaacagaaa	caaaattttc	ctcaaagtag	ataatgaaac	aataagtaca	11280
gcatgaccac	aactctcttt	gaaaaattca	tgtttacaaa	aagatggaca	ggcatataac	11340
atagttttgt	ttccttgcat	actcctatgt	ctacatctaa	ttagtattat	aaataggttt	11400
tgggtgtcta	cttcagaggt	tcaaacatct	tatgatgaaa	tgctactgga	aattttataa	11460
tggatggatc	agggtgacaa	cactgaaata	cagtgatcaa	tttcaagctt	acaggaggag	11520
agacaaccag	acccaatgaa	cctactaatt	tgacacttta	gtaataaagg	acaccacttc	11580
tgaggtaact	ttgctgaata	agctgaattt	gatcaaactt	ctaaatctaa	ttaccaattt	11640
aaaagaaata	agagaggcta	gaggaaatta	ataaacaaca	caataagaat	ccaatcagca	11700
aaatccataa	tgcacctcc	aaaggatgaa	agatccagtt	ttctaagcaa	ataaatagaa	11760
agggtttttt	ttttaaacaa	cagatagctt	ttaagagaca	acacttcaag	gagagttaaa	11820
gagaaagtaa	aattaaaatc	acaaggagat	actatcacat	gtctaccaga	aagagaaaaa	11880
tgaaaaagat	agaaaatacc	aagtgttggt	gaggatgtgg	agcagtagaa	gtctcaacat	11940
tgctagtggg	aatatagatt	ggaacaacca	ctttgaacaa	ctgtttgaca	gtatccactg	12000
agctgaagat	acacatgtca	tatgactcag	aaatgccact	ctttggtgca	tccttaggag	12060
aaatggcctc	acccatcaaa	ggaaatcaga	ccagccctgc	ctttcaacca	gttgaaggat	12120
agaaaccaga	ataaatgtga	tttccatgtg	taaaagcact	cggagtccct	gaaagggaat	12180
agaattaact	gtagaagtcc	aaggaattat	ttcaacagcc	aggttgtcta	aggaaaactt	12240
aactgtgatg	attattacct	ttttaaaaaa	aattataact	ttgtttttac	attatcttgt	12300
ttgtttttct	taaataaata	tcatctggta	catggaagaa	aggctactga	aggatagtta	12360
tcaactcaag	acatatggtc	ctgtctacca	tcaaccacca	ttggctgaca	tggtttggca	12420
aatgtctttt	cctcttttct	aagtatactg	gttaggagtg	ttggctgtgg	agacagacta	12480
gggccaacc	ctgcttctta	aatttgtggg	actttgaata	catttgcttc	agcttgcaat	12540
agctcaaatg	cttcatctgt	aaaacaagga	taatagagta	ctgacctaa	aagacaaaaa	12600
atlttttaaac	aaatattgcc	ttgccatttt	ggtcagggaat	cccataattt	taaaaattct	12660
actgcggaga	tatcagcata	actggctctc	tgtgaccttg	tgagagtaac	agaattactc	12720

tatacttcag	ttgtctttaa	ggtacaatgg	ggaaaacaat	tatccccacc	tcatggggtg	12780
ttgttttgag	aattacttga	gttgaggcac	aaaagccctt	agaacagtgg	ttggcacata	12840
gtaaaactgct	cattaaatgt	gagtttgcat	gttgagattt	ttcaagttct	aaaagtttga	12900
cagtttgcac	gtgtcttcaa	taaagtttaa	tacaacagaa	tcttaatcat	caactgatgc	12960
atttttaa	aacttctttt	cactacaacc	acgtttggat	gacctaat	ccttgagaat	13020
atctcaagag	caaagtgaag	gactgctctc	agaaaacggg	gtcatttctc	cacatggcta	13080
tacaaaaaac	tgaggggtca	tccttgactg	tgccctatcc	ccatgcaccc	tacacgcaca	13140
gccacttcaa	gttctgcctg	ctgtacctcc	aaacacgccc	tgtccagggt	cactcctccc	13200
tacctgcaca	cagctgcagc	cctgggtccca	tcacacctg	cctcttccct	ggacttctgc	13260
aataattttcc	taatgggtat	ccccactccc	tatcttgtcc	ctttccagtc	cattccccac	13320
acagcagtc	gagtcgcctt	ctgacaacag	gaatcgcaat	caacgggcaca	tttacaatt	13380
gtaattcacc	tgaatctctc	actagcccta	ctccaacctc	tgaccaagg	gatctgttgt	13440
cctaaggatg	ttgcatactc	ttcagatgtg	tcctgtagg	tgagggtgc	atgaatacat	13500
tcacccgatt	cacatagtct	tctccaaaag	tacaatcaca	gtcctcatct	tctgttgcaa	13560
tttttttcca	ctttatataa	attctcagga	tttttaagta	tttgcathtt	attagtactt	13620
ttggtttttg	catatttaac	aagattattg	ttcatgttta	ttttatgtaa	attttctgtt	13680
gaaatgaatt	accaatatct	ttgtcattag	tgtgtgttac	aaattacgga	tactaatcct	13740
atataatgga	cagtttgcaa	atactttctc	caatgtttta	agataattct	taattttatt	13800
actatcgaaa	ttgattttca	atttcaaaaa	tattatgact	taaaaacttt	acagatcatt	13860
ttttttttta	agaaaaat	gaatgctccc	attggaatgg	cagccccag	ggaaattaga	13920
tcattcaggg	accaggaggc	atgaagacaa	aatgaggaaa	actttagaat	aactaaaaac	13980
tagttgctga	tagggathtt	atctcctcta	tcatcttcat	caccttgaga	ggttgaagag	14040
tgagcacctc	acctctgggg	ccacaatagc	aagagagtgg	aatatgacca	tttctcaagt	14100
cctggaagcc	ccaactctaa	aagaaagggtg	ctcaggatcc	tctagggagg	gtgagggatg	14160
gaacctcatt	ccaactctgc	cacttaccta	gggaggtgac	ttagactctg	tgagcctgag	14220
cttagtcate	tgtgaaatgg	aactgattat	acaattgtta	cagagctgtc	cccaggcata	14280
aatgagaaac	gttgtccaaa	gtatatggaa	tggagtggga	cttcaatggc	ctttaaatgt	14340
tgagacatag	cagtaagggc	tggctgagcc	tcagggctca	ggagacattg	tgaaaaatca	14400
tttctcattg	tttctcctaa	taagaacaca	aacatctaga	agaaagaagc	aaatatctct	14460
ctgatatgcc	ttgagttcaa	agtttttgag	atagaagggt	ttctatatte	ttaggtatta	14520
tcagaagggtc	acaggagtca	ttcaatatca	tgcccttag	cagactcaga	tcaagttccc	14580
ccacactgga	atgacaaaca	tatttgtgaa	ctcacctgaa	gagctctgtg	atagattgca	14640
tgaggaaagc	aaagtatgg	gtttgcttaa	tagctgcttc	tggacagttt	ggtaggttaa	14700
tatgtttata	ggaaaaatct	gaacctgtcc	accagtcacc	agggcaagg	tcctcagatc	14760
atgcatgatc	cagtcacatc	acaccaggat	ttcagccatc	ctctacctcc	ctgagaggca	14820
aaaatccaga	aattactagc	atctctgtga	cacacagttg	tcctgtcttt	cctcatctag	14880
taactatatt	tgtattgagc	tcaaaacata	tactagtcca	ttggagacat	ctcatgagct	14940
ctaaagtgga	aataggagag	taagaaacaa	aataatatat	aggaaaattc	aagggttaaa	15000
tacgagatga	aatgggttct	tcacattagc	ttttaaactt	actgaaattt	caagaaattg	15060
aagattttta	aaaattcttc	ctttaacccc	tcaccgccta	ttcagccaca	ggattggata	15120
tctttctctc	cccaactttt	ttttctctct	ttcctttttt	ccaaccaaag	ttaaagctct	15180
aaaacgagtt	ttctgcactt	cctacaaaac	tacaatgaga	tatcatctca	ctccagttaa	15240
aatggctttc	tgcaaaagac	aggcaataac	acatgctggc	aaagatgtgg	agaaaaggga	15300
accctcatac	actgttgatg	ggaatgtaaa	ttagtacaac	cactgtggag	aacagtacgg	15360
agggtcctca	aaatctaaaa	atagagctgc	catatgaccc	agcaatccca	ctgctggtta	15420
tacatccaaa	agaaagaaaa	tcagtatatc	gaagagtatc	ttcactccca	tgtttgttgc	15480
aacattattc	ataatggcca	agatttgga	gcaacctaa	tgtccatcaa	cagattaatg	15540
gaaaaagaaa	atgtggtaca	tatacagaat	ggagtactat	tcagccataa	aaataaagag	15600
attctgtcat	ttgcaacaac	atggatggaa	caggtgggtca	ttacattaag	tgaagtaagc	15660
caggcacaga	aagacaaata	tcacatgttc	tcacttatct	gtgggaccaa	aactcaaaaa	15720
ataattgaac	ccatggagat	agagggtaga	aggatggtta	ccagagtctg	ggtagaggcg	15780
gggaggtgag	ggagaggtgg	ggatggttaa	tgagtacaaa	aaatagaatg	aatgaataag	15840
gcctagtatt	tgatagcact	acagggtgac	tacaatcaat	aataatttaa	ttgtacattt	15900
taaaataact	aaaataatat	aattggattg	tttgtaacac	aaaggaaaaa	tgcttgaggg	15960

gatggatacc	ccatttttcca	tgatgtgact	attatgcatt	gcatgcatgt	atcaaaatat	16020
ctcatgtacc	ccataaatat	atacacctat	caccacaaaa	aattaaaaat	taaaaaaaag	16080
cttaaaggat	attgagtgtt	gattttttctc	tccttcccca	aacactattg	gaaggttaaa	16140
aaaaaaat	cctgaaatca	taaaacacgt	gttttccgt	gtctggctgt	gttcaaccaa	16200
cataatat	atgtgattta	cattttgttg	tctgtagtgt	tagatagtca	ttttcattga	16260
tggatggtat	acatgggatg	gatatttctt	ttcttttgag	atggagtcca	gctctgttcc	16320
ccaggctgga	gtgcagtggt	gtgatcttgg	ctcactgcaa	cctccatctc	ccgggttcaa	16380
gctattctcc	tgccctcagcc	tcccagtag	ctgggattac	aggtgcccac	caccatgccc	16440
agctacgttt	tgtattttta	gtagagatgg	ggtttcattg	tgttgccag	gttggctctca	16500
aactcctgac	ctcaggtgat	ctgcccgcct	cagcctccca	aagtgcctgag	attacaagcg	16560
tgagccaccg	caccgcgcct	gtatggatat	ttcacgacat	atgtatctgg	tatgaagggt	16620
tgcaaat	gacctactat	gaataatggt	gctttgaaca	ttcttgtaca	tatcttttag	16680
atggacgttt	atttttactt	tacttcgaca	tatatgattg	agtggcattt	ctgagttagg	16740
gtatatgtat	gttcagctca	ctagacactg	ccagtttttc	aaagtgttcc	aatccgtatt	16800
cccaccagca	gtgttgagag	ttccactgct	ccacatcctc	accaacactt	cacttggcat	16860
tttcaatctt	ttttatttct	tgtgggtcta	tgggtggtatc	taattatggt	tttaaagtga	16920
atctctttga	tttaatttct	ctttaattta	actctgaaat	gtttcgtctc	atctaatcta	16980
aagtgggttc	caccgcattt	ttttttaacc	ttctaattta	tttgcttaaa	atctggatct	17040
ttagtcttgt	ggaatgctga	tgtctgttaa	tacctttctg	catatggagg	tgatcatata	17100
attatttctt	tggctgtatc	aataactag	attatagtaa	tagttttatt	gatattgaaa	17160
catgtttata	tatataaaa	cccataagg	tcatgacctg	tattttatgt	cctcttttgt	17220
ttactaatat	tttatttta	aacattagtt	catattctgt	gatgagatta	ttctggaatt	17280
tcatttctcc	tgcatgtttt	ggcatgtttc	agaatcaact	ttatgtactt	gcttcattgt	17340
ttcatatatt	ccctatgccc	ttcgactatt	ttaaatagta	ttggtattat	cataccttga	17400
aagttttgct	agaattctct	ttgggaaagc	tctgggtctg	gtgctttttg	aaggcagata	17460
atttaaccaa	attcactatg	tcttgtatgc	aattgggtctg	ttaagacttt	ttgtgtttct	17520
tgaggccagt	ctgggtaagt	tgtgtttttc	tagaaaatta	ctgattttat	ctgtttccaa	17580
atgtatttga	atagaattat	gcaaattttt	cagttaagag	acttgaaatt	tccttcgttt	17640
tgaagacctt	gtcacctgtt	ctgtttcaaa	atttgtgtatt	tgtgttttct	tcaattttct	17700
tgaatacttt	accagtgac	ttttcatggt	tttggtatct	cctcaaataa	atcttcctta	17760
cttttacata	taaattatac	tgtagtgttc	ctttttaacc	catttatctc	tgttttaacc	17820
tttaactatt	caactgcatt	cttttagttt	atgttgtggt	tctttatctg	gctttttgaa	17880
ttgattgttc	aattcctttt	tattgatata	gctatgtaat	gcataaaaa	attatctgac	17940
cactgctcta	gctgtaaatt	ctgaatatgt	tctgttttta	ttttcattac	tctcattgca	18000
ttctacaatt	ttaatctgta	tttgcatttg	ggcccaagct	taacagcctc	agatattagt	18060
atgatttttc	atatatctca	ttgctgcttc	tgcagttttc	ctctataaaa	ctacattttt	18120
ggctgggtgt	ggtggctcac	acctgcaatc	ccaacacttt	tggaggccga	ggcgggtgga	18180
gcacctgagg	tcaggagttc	aagaccagcc	tggccaagat	ggtgaaaccc	catctctact	18240
aaattagctg	ggcatggtgg	caggcgcctg	taatcccagc	tactcaggag	actgaggcag	18300
agaattgctt	gaaaccggga	gggagaggtt	gcagtgcgac	aagattgcgc	cactgcactc	18360
cagcctgggc	gacagagtga	gactccacct	aaacaaacaa	acaaaaaac	ccaaacaaac	18420
aaataaacaa	aaaaactaca	tttgtgttgt	gtgactaggt	acacaagtat	taatacataa	18480
tgtattccta	gtgaatttta	acctttacta	ttattaggtg	tgttttttta	tcttttaaaa	18540
tccattttgt	tctcaattct	gccctcttaa	aaattaagat	tgtgaaaaat	attccatgct	18600
catggatagg	aagaatcaat	attgttaaaa	tggctcact	gcccaaagca	atttacagat	18660
tcaatgctat	tctattaaac	tactagcaat	gtttttcaca	gaactagaat	aaaaattcta	18720
aaattcactt	ggaacaaaa	gagagcctga	ataaccaaag	caatcctaaa	tgaaaagtgc	18780
aaagatggag	gcatcacact	acctgacttc	aaactataat	acaaggctat	agtaattaaa	18840
acagcatggt	actggtacaa	aacagacacg	cagacaaatg	gaacataata	aagaacacag	18900
aaataaagcc	acacacctac	aaccatctga	tcttcaacaa	agttaacaat	aacaagcaat	18960
ggggaaagga	cttcctattc	aataaatggt	gctagaataa	ctggctagac	atatgcagaa	19020
gattgaaact	tcacctttac	ccttcaaaaa	tcaactcaaa	atgcattaaa	gacttaaatg	19080
taaaacataa	aactataaat	accctagaag	aaaacttagg	aaataccatt	ctagacatca	19140
gccttgccaa	agacttcatg	atgaagacac	caaaagcaac	tgtagtataa	acaaatattg	19200



acaagcagga	cctaataaaa	ctaaagagct	tctgcacagc	aaaagaaaact	atcaacagag	19260
cagacagaca	acctacagaa	tgggagaaaa	catctgtaaa	ctatgcatct	tccaaaggct	19320
taatatccag	gatctataag	gaactaaatc	aacaagcaga	aaaacaaccc	cattaaaaaa	19380
tgggcaaagg	acatgaacag	acactactca	aaagaagata	tacacatgac	caacaagcat	19440
atgaaaaaat	gttcaatatc	actaatcatt	agggaaatgc	aaatcgaaac	cacaataaga	19500
taccatctca	caacagtcaa	aatgtctatt	atgcaaaaagt	taaaaagtaa	cagatgttgg	19560
tgagcttaca	gtgaaaagg	gatgcttata	cactgctggt	aggaatgtat	attagttcag	19620
ccactgtgga	aagcagtcta	gagatttccc	aagtaactta	aaatagaact	acaattcaac	19680
ccagaaatcc	cattactggg	tatattcccc	aatgaatata	aatcggttcta	ccataaagac	19740
acatgcatgt	gtatgtttat	cacagcacta	ttcacaatag	caaagacatg	gaatcaacct	19800
agatgcccat	caacagtgga	ctggataaag	aaaatgtggt	acacatacac	catggaatac	19860
tacagattca	taaaaaagaa	tgagatcatg	tcctttgcag	caacatggat	agagcttgag	19920
gccattatcc	taagcaaatt	acttttactt	tgatgttctt	ttgtgccatc	ttctttcacc	19980
ttctatttgg	acaccgaaat	agcagcctct	ccttgaggac	cagaaaagcag	acagcataga	20040
gtaacagaac	atgaagatga	atctgctgta	caacagactg	aaatcaggag	acctgggtcc	20100
tcaatagcag	atttagcttt	gtgtaaaaaa	gaccatgaga	agtcagctgg	cctgatctgg	20160
cctcatccct	ttcacaggaa	aagactgaca	ttctcagggg	ttaaggacac	gagcctcgga	20220
gtcagagtga	gtacaatatt	tcggcatact	taattactgg	ttttatgata	tttaggaaat	20280
gttgagtctc	cagacaaatg	aaaccatat	gtaattggata	tatattaagt	atgcctgcat	20340
agagaacaaa	gtgggaggaa	ctatacaaaa	aggacaatct	atcaaaaatt	aataagtggg	20400
aggggtcagg	gattattttat	ttatttctga	gcttgactat	gctttccaca	atttataaat	20460
tagcatggag	ctttttaaaa	gtcagaatct	ttgtctcatag	aaacagtatt	tgttataaaa	20520
tagttcagac	atacaaaaat	tatagaatgt	gagaactttc	tatgtaacca	tgctaacata	20580
taaaatagta	tataggcaat	cgatagtcac	attgaagtct	gattgtatta	gcctcctact	20640
tcctcagaga	taatcactat	acagaatttg	gatttttcat	ttttaagaca	ttaccttata	20700
attacacatg	tacatacctg	tatgtaaaat	atgatattgt	tttgtagcat	ggttttctct	20760
ctaaataacct	ggctacctca	ttgaagaaga	agaagtaaga	aacctgagga	gaacaaacat	20820
gcattcatat	ctcaacagtg	ggacctgcta	tatatatatg	tctccaagtc	gtgtgtatta	20880
tcttttagac	tactaaaaca	gacacatcca	gggtctcagtt	tatatgctat	agagagcggt	20940
aaaacattct	acagttacta	ttttcaaact	cctcttttat	ctgatatggt	caatgtctca	21000
gttttctctg	ggctaacttg	cctaaaacaa	tctcagtgtg	tcttgaatgc	aagacatttt	21060
ctcatttgtc	tggggctaatt	tttctacctt	tctttcaaac	tgttactaat	ttaggcctgt	21120
cctttataac	cagaacctaa	tctagaccat	cctgctgaaa	gaagacagta	ttttctggga	21180
gttagttttc	atgtgttcag	actactgccc	aaatccctta	gatggatatag	ggatgcattc	21240
catttagaac	ttgatttgac	atctattaca	agtgtctggc	atgtgtatat	tttcttttta	21300
taacttttaa	ttacataagg	aaggtaactg	tgtaattata	catcatagtc	aagatgtaga	21360
attgacctaa	aagttcatca	gtggatacac	aggtaatgaa	aacatggtgt	attaattcac	21420
atgtgttgat	tgctcctggg	accctgggct	gaatgagact	atgactatac	ttctaccccg	21480
aatcccgtcg	tgtcaggggt	cccctctcct	tatcctcccc	attccccac	tgaagctgta	21540
atgctgaact	ctgagtgatt	tcatgaagac	catcccgtct	tcccgtctct	gtggcagtc	21600
ctgcttggct	aactaggtgg	gataagcagg	cagtaggaag	tgaagaatgt	taacaaggac	21660
tggagaaaagg	tcttttaggt	agtttaaaat	tgaaggagaa	gagagagacc	cagagatagg	21720
acatagagg	ggagggggca	ggagacagag	agagagagag	agagaggagg	ggaggggagg	21780
ggacgggagg	gagaggggag	gggaggagag	gggaggggag	gagaggggag	gggaggagac	21840
aggaggggag	aggaaaggag	aggtatcaat	cctgtggcta	aatgtgtatt	gaggggtcca	21900
agaggaaatt	ttgaaaatct	ttcatttctt	aaaagttgat	caagtttaaa	aattaatgtg	21960
aaggagcata	ccatcttaaa	actaatcttt	gaagtttagt	atatattatt	ttcattctta	22020
ctctattatt	tccatttttag	agatcatgag	atgccttttag	ttatacaggt	attgagctta	22080
atatataatt	agttattaat	gaatgaagga	atggacaatt	gtgtgtatag	aaatggtagt	22140
aactcttgga	tttttgtgtt	tcaagaggta	gaagatggtt	aaaatactgc	tgtgatgtgg	22200
ctggataatg	cataatctga	gggtcacccg	cctggtggct	gtgaaacagt	ctagaatttt	22260
cctgttttac	atatatgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	22320
gtataaaaact	ttttcttttt	ttgagacagt	gtttcactct	gtcgcccaga	ctggaatgca	22380
gtggcccgat	ctcagctcac	tgcaacctcc	gcctcccggg	ttcaagcgat	tctcctgctt	22440

cagcatcctg	agtagctggg	attacaggcg	cgcataacca	tgcccggcta	ctttttgtat	22500
tttttagtaga	gacggagttt	tgccatgttg	gccaggctgg	tctcgaactc	ctgacctcaa	22560
gtgatccgcc	cacctcagcc	tcccacgggtg	ctgggattac	aggcatgagc	cactgcaccc	22620
tgctttccta	taatatatta	atataccaaa	cagtcagga	acaaccatta	ggcaaacctc	22680
acactttgct	tacctgggtg	tatctatcac	tgagatcacc	agggtgagttc	aaagacatgc	22740
ctatcttccc	agcatgagga	actgaatttg	ggtcagctca	gggacttgat	gctgaacagc	22800
tcttatgagc	ttctgataac	acccaagaac	tagagaaaca	gctgtccata	aatctttcaa	22860
ctcaaggat	atcacaggga	catttgcttt	cttcaactag	atgtgtatatt	ttctcaaaag	22920
gggaaacagt	aagaaatgat	ttttcacact	gcctccttag	ccctgagggtc	tgccaacccc	22980
tactttctgtg	tcccaacatt	taaagaccac	taaagtttca	ctctatgcc	tatagtctgg	23040
gcagggttttc	tcattttacc	ctcaggaaag	ctctgggtatt	gtcagttaca	tttcacagat	23100
gactaagttc	aggctcacag	agcctaagtc	acttccccag	ataaatggca	ggattggaat	23160
gaggctgatc	ccattaatca	agctcccaac	tccatccctc	ccttccctat	gctgaaccct	23220
gcctcccctg	caacctgggtc	tactctcaga	gctgcaacct	tggtctctggc	taccagaagg	23280
cacatcatag	ctatctcaat	ttttgttttt	aaattaaaag	cagcttatatt	tgcatagagt	23340
aacaaatatt	acaagttttc	tgtgggtgtt	tggaaaattc	acatgtatat	gaaaacagtt	23400
ccattatctg	ttgaccccaa	atctacattg	cattcattga	tttttcactt	ccctccttgg	23460
tgaggttg	agtgtccaca	ttgcaggagg	gtgggtagg	ggtccttttc	agacagcagg	23520
gcattcagcc	tcctccatta	ccccaccct	atacaggctt	cccagatttc	ctccacctt	23580
ctctctgtca	ttcccttttc	aggacactat	gggcacagct	gccagaccc	tgctcctgtg	23640
ccctcatcct	ctctctgtca	ccgcccactg	ccccacactg	ccctatggct	gcccgcctag	23700
gatagccaag	gatgtcctgc	agttttatttt	tttttcctgc	ttctttttaa	cacatcagta	23760
tctttctgac	agaatcattc	tgtacctggg	ttcataagg	gggtcgttaag	gaggtattgt	23820
agtttttgct	ccttgccggac	acttctttgc	tgaagggtt	gataatgggtg	gtaccgtgg	23880
gccctttccc	gacacaaatc	tgcatgtcag	ctagaacagg	aagggtgggaa	ggagagattg	23940
tggcccaagc	ccaccctata	aagctttctg	gaaatcttgg	tggaaaagt	agcattccca	24000
gtgtatagg	gtactgaagg	actccagaca	aaaattgctg	ccttttacta	tgccgagaag	24060
agagctctat	gtgagaggaa	gacaaaatat	tttaattttt	attcctttgac	ccctggataa	24120
atagagacct	atataagaaa	aaagggatcc	aggctacttg	ttatctttgt	aaccctcttt	24180
acatctttat	tactatcttt	tcatggaaat	acatttctat	gataacattt	gaaattacaa	24240
cataatatca	atatttttta	tggaccaggt	gtttcattta	tatgatattc	ttaaagtatt	24300
ttccacagta	acctagtgg	gaaaatttag	ttcccttacc	atagtttcta	ttacagacaa	24360
tggatatatat	aacactcctg	ctcatatgta	caaatatctc	agtaataatt	tctttataag	24420
tttttgaaag	agtatcttta	agccccagac	acttaaaaa	tttatatcaa	gatgatgaaa	24480
tcaaaatact	tttacttttt	tttaattttt	tttatctaaa	taggtttttg	gggaacaggt	24540
gggtgtttgtt	tacatcaata	agttattcag	cgggtgatttc	tgagatttcg	gcacaccctt	24600
cacccaagca	gtgtacactg	tacccaatgt	atagtctttt	atccctcaac	actccccact	24660
gtttcccctg	agtcccaaaa	gaccaatgta	tcattcttat	gcctttgcgt	cctcatagct	24720
tagctccac	atgagtgaga	acatacactg	tttggttttc	cattcctgag	ttacttcaact	24780
tagaataata	atctccaatt	ccatccaggt	tgctgcgaat	gccattattt	ctttttttta	24840
tggcttagta	gtattcatat	atatatatat	aatatatata	tatatatctc	acattttctt	24900
tatccactca	ttgattgatg	ggcatttggtg	ttggttccat	atttttgcaa	ttgcaaattg	24960
tgctgctata	aacgtgtgtg	caagtatctt	ttttgtataa	tgacttattt	tcttctgggt	25020
agataccag	tagtgggatt	gctggatcaa	acgggagatc	tacttttagt	tctttaacga	25080
atcgccacac	tgttttccac	agtgggtgtg	ttagttttaca	ctcccaccag	cagtgtaaaa	25140
gtgttccctt	ttcaccacac	cttactcaaa	catctattat	ttttttattt	ttttattatg	25200
gccattcttg	cagttataag	atgggtgttg	attgtggttt	tgatatgcat	ttccctgac	25260
actagtgatg	ttgagcattt	ttccatatgc	ttgctggcca	tttgtatatc	ttcttttgag	25320
aattgtctat	tcatgtcctt	agcccacttt	ttgatatttt	tattttgttt	tgttttgttt	25380
tttcttggtg	atttgagtta	tttgtagatt	ctggataata	gtcctttgtc	agatgtatag	25440
attgtgaaga	ttttctccca	ctctgtaggt	tgtctgttaa	ctctgctgat	tatttctttt	25500
gctgtgcaga	agctttgtag	tttaattaa	tcccatctat	ttattcttgt	ttttgttgca	25560
tttgcttttg	ggttcttggt	catgaagtct	ttgcctaagc	caatgtctag	aagggttttt	25620
ctaataattat	cttctagaat	ctttatgggt	gttagattta	agtctttgat	ccatcttgag	25680

ttgatttttg	tataagggtga	gagatgagga	tccagtttca	ttcttctaca	tgtggcttgc	25740
caattatccc	agcaccattt	gttgaatagg	gtgtcccttc	tccacttcat	gtttttgttt	25800
gctttgttaa	agatcagttg	gctgtatttg	gctttatttt	tgggttctct	attctgttcc	25860
attggctctat	gcgcctattt	tttttttttt	tttgtcttgc	tttggctatt	tgggctcttt	25920
tttggttcca	tatgtaccca	tccatgagca	tgggatgcgt	ttccctttgt	ttgtgttgta	25980
gatggctttt	attactctaa	ggtatgtccc	ctttatgccg	attttgctga	gggttttaat	26040
cataaaggga	tgctggattt	tgtcaaatgc	ttttttctgc	atctattgag	atgatcatgt	26100
gatttttgtt	ttaaactctgt	gtatgtgctc	tatcacattt	attacttgtg	tatattaaat	26160
catccctgca	ttaatggcat	gaaaccact	tgatcatggg	ggattttctt	tttgatatgt	26220
tgttgaattt	ggttcattag	tattttcttg	aggatttttg	catctatgtt	catcagggat	26280
attggctctgt	agctttcttt	tttgttatgt	ccttccctgg	ttttgatatt	atgggtgaaac	26340
tggcttcata	gaatgatttg	ggggaggatt	ctctcttttt	ctatcttttg	gaatagtgtc	26400
aataggattg	gtaccaattc	tttgaatgtc	tgatagaatt	cagctgtgaa	tctgtctggg	26460
tctgaactta	tttttttagtt	attggcaatc	tttgtattac	tatttcaatc	tcttctgggt	26520
ttaatctagg	agggttggtat	atttccagga	atttatccat	ctcttgtaag	ttttctagtt	26580
tatgcacata	aacgtgttca	tagtagcctt	gaataatctt	ttgtatttct	gtgatatcag	26640
ttgtaatatc	tcccatttca	tttctaattg	agcttatttg	aaacttctct	cttcttgggt	26700
aatcttgcta	atggctctatc	agttttattt	atcttttcaa	agaaccagct	ttttgtttca	26760
tttatctttt	gtattgtttt	tgtttgtttc	aatttccatt	agttctgctc	tgatcttcgt	26820
tatttctttt	cttctcctgg	gtttgggttt	agattgttct	tgtttctcta	gttccatgag	26880
gtatgatctt	agattgtcta	tttgtgctct	ttcagacttt	ttgatgtagg	cattcaatgc	26940
tatgaactat	cctgttagca	ctgcttttgc	tgtatctcag	aggttttgat	aggttgtgtc	27000
actattatct	ttcaattcaa	agaattttta	aatttccatc	ttgatttcat	tgttgacaca	27060
acgatcactc	aggagcaagt	tatttaattt	ccatgtattt	gcatggtttt	taaggttcct	27120
tttggagtgg	atttccaatt	ttattccatt	gtggctgtag	agagtactcg	atataatttc	27180
gattttctta	aatttactga	gacttgtttt	gtggcctttc	atgtgggtcta	tctcggagaa	27240
tgttccatgt	actgatgaat	agaatatata	ttctgtagtt	gttgggtaga	ctgttctgta	27300
aatatctggt	aagtcatttt	gttataagggt	atagttttaag	tacattgttt	ctttgttgac	27360
tttctgtctt	gatgacctgt	ctagtgtctg	cagtgaagta	ttaaagtctc	ccacttttat	27420
tgtgttgccg	tttatttcat	ttcttaggtc	tagtagtaac	tgttttataa	atcaaaagggt	27480
ccagtgttag	gtgcataat	attcagaatt	gtgatatttt	cctgttggac	tagtcctttt	27540
atcattatat	aatgtccctc	tgtctttttt	aactgctgtt	gccttaaagt	ttgttttgtc	27600
tgatgtgaga	atagctactc	ttgctcactt	ttggtgtcca	tttgcattga	atatattttt	27660
ctatcccttt	accttaagtt	tatgtgagtc	cttatgtgtt	acgtgaatct	cctgaagaca	27720
gcagaaacta	gggttggtgaa	ttcttatcca	ttctgccatt	ctgtatcttt	taagtggagc	27780
attttaggcta	tttaccattca	atgttagtac	tgagatgaag	tactatttta	ttcattgtgc	27840
tatttgttgc	ctgcatatat	atatacatat	atatacatat	tttggactgt	gttattgtca	27900
tataggtcct	gtgagattta	tgtcttaggg	agattctatt	ttggtatatt	tttaaggattt	27960
atttttaatat	ttagagctct	tttttagcagt	tcttgtactg	ctggcttagt	agtagtgaat	28020
tctctcagca	tttgttttgc	tgggaaagac	tgtatctttc	cttcatttat	gaagcttagt	28080
ttctctctgg	atacaaaatt	cgtggctgat	aattgttttg	cttaaggagg	ctaaaaatag	28140
gacccaaatt	cattctagct	tgtagggttt	ctgctgaaaa	atctgctgtt	aatctgatag	28200
gttttccctt	atagattacc	tgatgctttt	gcctcatagc	tcttaggatt	ctttcctttg	28260
tcttgacttt	agataaactg	atgactatgt	gcctaggcaa	tgatcttttt	tgcaatgaat	28320
ttcccagggt	ttctttgaac	ttcttgtatt	tctccagatc	tctagcaagg	ccagggaagt	28380
tttctttgat	tattccctca	aatacgtttt	ccaaactttt	agatttctct	tcttcccttag	28440
gaacactaat	tattcttagg	tttcgacatt	taacatagtc	tcaaacttct	tggatgcttt	28500
agtcattttt	tttacaattc	tttttttttt	tttttttttt	tgagacggag	ttttgtctctg	28560
tgcgccaggc	tagagtgcag	tagegcgata	ttggctcact	gcaagctcca	cctcccgggt	28620
tcacgccatt	ctcctgcctc	agcctcctga	gtagctggga	ctacaggcac	ctgccactat	28680
gacggctaatt	tttttttttt	tttgtatttt	tagtagagac	agggtttcac	cgtgtttgcc	28740
aggatggctc	cgatctcctg	acctcgtgat	ccacctgcct	cggcctccca	aagtgtctggg	28800
attacaggcg	tgagccacca	caccagcct	aaaattcttt	tttctttgtc	tttgatggat	28860
tgggttaatt	tgaaagcctg	tcttttagct	ctgaagttct	ttcttctgct	tgttcgattg	28920

attgctgaga	ctttccagt	cgttttgcat	ttctctatat	gttccccgat	ttctcgaaat	28980
tgtaattggt	ttttttttaa	tttatgctgt	ttcactgaat	aatttttcctt	tcatatccctg	29040
catcacgttt	ttgatttatt	taagttggac	ttcatcttct	tctgctgcct	cttttattag	29100
cttaataatc	aaccttctga	attctttttc	tggctattcc	aagatttcat	cttagtttgg	29160
atccattgct	ggtgagctag	tgcaatgttt	cgggggtgtt	aaagaaactt	gttttgcgt	29220
attagcagaa	atttttttct	cgctctttct	catttgggta	gactatgtca	gagggagat	29280
ctggaattca	agagctgctg	ttcagattct	tttgtcccat	ggggtgctcc	cttgatgtgg	29340
tgttctcccc	cttcccctat	aaatgcggct	tcctgagggc	caaagtgtca	tgattgtttt	29400
tgctcttctg	ggtctagcca	cccagtgagg	ctactgggct	ccgggctggt	actggggagt	29460
gtctgcaaag	agtctgtga	tgtgatccat	cttcaggttt	tgagccagct	ggaggtagca	29520
ggggagtga	gtggactctg	taagggctct	tggttgtatt	ttggtttagt	gtgctagttt	29580
tgtgttggtt	ggcctccagc	taggaggtgg	tgatttcaag	agtgcacag	ttgtggctct	29640
gcagagagga	tgccaacttt	ccctagggac	agctggttaa	gtattcagat	ttctcaggcg	29700
gtgggcaggg	ccatagaact	cccaagagat	tatgacctg	gtctttgtct	accaggggtg	29760
gtagagaaag	accacccggg	aggggcaggg	ataggcatgg	ctgagctcag	cctctccttg	29820
ggtgtggctt	gctgtgactg	ctgtggggga	tgggggtgtg	gtgtctggct	caatggagtt	29880
atattcccag	ggggattatg	gctgcttctg	ctgaaccata	cagtttgcca	gcaagtgggg	29940
gaaagtccgc	ggtcatgggc	ctcaccctgc	tcccatgcag	cctgcagccc	taaaggctgg	30000
tgtcattccc	actgtgccct	acaacagcac	cgagtctatt	tcaggggcaac	cagtgcaccag	30060
ggctgagaac	ttgtcccaga	ccaccagctt	ccccactgac	aaagcaagca	gactcacagt	30120
ttttcggcat	ctcagggggc	ctgcaacagt	gatccagttt	cttcaaaggg	tctgtggatt	30180
ctctcagctt	tcctgggtatg	ttcctgcagt	acttcttgga	gcaaaggttt	acagtacgag	30240
tctccacatg	ctgctctgtc	catctcagca	ggagctgcaa	gctggctcctg	cctcctatct	30300
gccatcttgc	ccccatgcac	ttatctgaaa	tcaaaatact	tttaataaaa	gcattatact	30360
actaatattc	cagtgtgaaa	gttccctttc	gctcatatta	gaaataatgt	gaattctttac	30420
taatctgata	ggcaaaaaaa	atcatctctc	atcatgtttt	caatataact	catttttgct	30480
ctcttctgaa	atttcatata	gtggatgtga	cataatcaat	tttcacaacc	ccatattatt	30540
cagagtgttc	caatattccc	tattatctac	acgacatgga	tagcatcttt	tcagagtctg	30600
tgactggta	gtggttgtaa	tccagggcag	agttcccatg	gctatttgct	ctggtgagct	30660
gaatgggtcc	ccttgagacc	caacaactat	gttgagagaa	ttgtagtatt	gtgataacag	30720
aacctgggtg	atgtaggagt	gagtggtgtg	gtgtgagaga	gagagtgtga	gtgtatgtgt	30780
gtgctgacaa	ccacatttcc	ctttacttcc	ttctggcttg	tgtctttgca	tctcatttctg	30840
tctccctttc	taaattcaag	cccaaaagtg	aaaaaaggga	aatatcagga	tggcagttact	30900
tgtaacccaga	ttttaatcaa	cattcttcac	taagtccctga	agataaacat	ataaaaggaa	30960
atgctagcac	aaagcgtgtg	tgcctatgta	ggccttgata	agtattgctc	tacagacact	31020
cataaagtag	tgccatttag	actcccacag	tataggagg	tgagaaaggc	tacagaggaa	31080
tgaagaaagt	actgacgctg	acaagggtgt	gcagaggaaa	ggccctggac	tctgtgggtg	31140
acacacatat	tggctatttg	tctattttctg	gttttgttgt	ctgtgctttt	aaggctcttag	31200
ccataaaaata	tttgcctaga	ccaatgtact	aaagtgtttc	ccccaggttt	ttgtctagta	31260
cttttatagt	ttcagatctt	acattttaagt	ctttaattga	tcttgagttg	atgtctgtat	31320
atgatgagag	acagagatgc	agtttcatct	ttctgcata	gcataatcaa	ttttcccaat	31380
accattttatt	gaggaggatg	tcctttctcc	aacgtacgtt	cttgggtgct	ttgttgaaaa	31440
tcagttttgt	ctgtaaacat	gtggatttat	ttctgcgttc	tctattctgt	tccattggct	31500
tttgtgtctg	ttttcatacc	aataccatgc	tgttttgatt	accatagcct	tgtaatatat	31560
tttgaagtca	agtagtgtga	tgcctccagc	tttgttcttt	ttgggtctgga	ttggtttggt	31620
tatccgggtt	cctttgtggg	tgcataatcaa	ttttaggatt	gttttttcta	tttctgcaaa	31680
aaatgtcatt	ggtactttga	taaggattgc	attgaatctg	cagattacct	ttgacagtat	31740
ggtcattttta	actatattaa	ttcttccagg	ccatgagcat	aggatatctt	tccatttgct	31800
tgtgtcctct	tcaatttctt	tcatcagtgt	tgtgtagttt	tccttgtaga	ggtctttcac	31860
ctacttgggt	aaattttatc	ctagggtttt	tttttggtag	ctatttcaag	taggcatgcc	31920
tttttaattt	ctttctccac	tatttcatca	tcagctattt	cgtcattggg	gcatacaaac	31980
actactgatt	tttgtatatt	gatgttctat	cctaaaacta	tattgtattt	atcaaatttg	32040
ggaggggttt	gatggagtca	ttaggttttt	ctagatataa	aattatatca	tttgcaagaa	32100
ggaacaaatg	taaagatatc	caacttggat	atctgttatt	tctcttgtct	gattgctctg	32160

gctaggtctt	ccagtactat	gttgaatagt	agtgatgaag	gtgaaaaaac	aagacccttg	32220
tcttggtcca	gttcttagat	gaaatgggtt	cagcttttcc	ccattcatta	tgatgttagc	32280
cctgagttta	tcatatatgg	tttttattat	tttgagttac	gttcttttga	tgccctagttt	32340
cttgagagtt	tttatcatga	agggatgatg	aattttatca	aatgcttttt	atggattggg	32400
tgagataatc	atatgggttt	tgctcttcat	tctgttgatg	taatgtatta	tgtttggtga	32460
tttgcatatg	ttgaaccatc	tttgcatccc	tggtataaat	cccacttgat	cacggcatat	32520
tatctttttg	atgtgctggt	ggattcaggt	tgctagtatt	ttgttgagaa	cttttgcata	32580
tattttcatc	agggttattg	gcctgtagtt	ttttgttggt	gttgagtcct	tgtctgggtt	32640
ttaatatcat	aataatgctg	ccctcataaa	atgagttagg	gagaattctc	tcctcttcaa	32700
ttttttttca	gtagtttgaa	tataactttt	gttagttctc	ctttgaagg	ttggtagaat	32760
tcatcagaga	aaccatccag	gtctgggctt	ttctctgttg	gaaaattttt	attactgatt	32820
caatctcatt	acttactatt	ggctgtttca	ggttttctat	ttcttctga	ttcaatcttg	32880
gtaggtggta	tacgtccagg	aatttatcta	tttctcttag	gctttccaat	ttgggtggat	32940
ataattgttt	ataatagtct	ctgatgatta	tttgtatttc	catgttatca	gttgtagtgt	33000
ctcctttttc	atttctgatg	ttgtttattt	gtgtcttctc	tctttttttt	cttggttagt	33060
ctagctgatg	gtttatcaat	tttttatctt	ttcagaaatc	taactttttg	tttcattaaa	33120
attttgtata	tttttagttt	ctattttgtt	tagtttggtt	ctgaccttta	ctgtttcctt	33180
ccttctactc	atttggtggt	tggtttttcc	tttttagttt	ccttgagggt	aacagttaga	33240
ttggttattt	ggaatctttt	tacttttttg	atgtaggcat	ctattgctac	aaatttttct	33300
ctaagcactg	cttttgctgt	atcccataga	ttttggtagt	ttgtgtttcc	attttcatth	33360
gtttcaaata	actttttgat	atcctccata	tttttttctt	tgactcagtg	gtcattctgg	33420
agcatgctgt	ttgtttatth	tccacatatt	tgtacagttt	cccagggtcc	tcttggttatt	33480
gatttctact	tttattacat	ttttgtctga	gaacatactt	gatatgattt	tgattttttta	33540
aatttggtga	gacttggttt	gtgtccttct	acttaactac	ttccttcacc	attaaataga	33600
atacagtaat	agctatttca	aattaatgaa	cataatacac	attacttttg	tcaatctgtg	33660
caaatgtatg	ttatgttgtg	tctaaatatt	catcaaaata	tttttattcc	tgaataccaa	33720
atttcagaca	atatacaaaa	gcacatatat	gaattgtaat	taatcttcac	ctctcagtag	33780
ctcaactcct	acctcctgac	ccaaaagggt	tggtgtccat	agaatgggtg	acactttcca	33840
gacatgtttc	tgtggatgag	gtgcacatga	ccatgttcac	ctacatatgc	acgtaatctt	33900
tgccaaaaag	tgcaaccaca	ttaatcatct	ccttttgcaa	gctgtctttt	ccacttaata	33960
ttcttctgag	gatttatatt	agcatcttat	tagttcttat	agtttttagca	taatcaacaa	34020
gttctctgtt	catgtctata	tctattggaa	ttctatgtca	aaattagttg	ccaactgttt	34080
tgttactgag	tgtgccctat	aaattatgga	tactaatcca	acatctgaga	tgtagtttga	34140
aaatgtttcc	ccgttattht	acagacattc	ttagtgttat	tttcatttag	aatgtgtttt	34200
caacttcaat	aatatgaata	agatatatat	agattgtaat	ttaaaaagaa	atactagtga	34260
agaacacctt	agggcgtgtg	tactgtcggt	ccttgagaaaa	attcaagcat	tgagagtcct	34320
ggagatatca	agaaaaaat	ggaaaaatac	ttaaaaatac	ttaaaagtaa	ttctagagtt	34380
agctgctgaa	ctggagagaa	aagagtttat	tcctgtcttt	acataaactt	tcctaaagta	34440
ccctgatttg	aataattgtc	aaagtgatag	gtaccttgaa	tagcagttaa	gattaaagga	34500
gatgaaatat	aaagtgcatt	ttcttacagt	agtttagtgt	atgttacttt	ccttctctcc	34560
agctcacctg	tcccaaggcc	aacacttgag	cttctgcctg	agcccactca	ccacttcgag	34620
aagcaaccaa	ctcatgtggc	cctacaccca	ggctctcttg	cataaatggg	gggatttaat	34680
cttctctatc	ttcttcatca	cccagagggg	ttgtggagtg	aggacgcatt	gggtccacaat	34740
agcagggggg	tggaaatctga	ccattttctca	agccctggaa	gcccactctc	taaaagggag	34800
gctactcagg	gctgtctatg	gatgatgagg	gatggaacct	catttcaatc	ctaccaccta	34860
tctggagaag	tgacttaggc	tctgaaagcc	tgagtttggt	catctatgaa	atgggactga	34920
ccacaccatc	cttacagtgc	tgctctgagg	ggtaaatgag	aaaacctgta	cagagtatat	34980
ggcatagagt	gggacttcaa	cggcctttta	atgttgggac	acagcactag	gggatggctg	35040
agcctcaggg	ctaacgaggc	attgtgaaaa	accattttct	attgtttctc	tttatgagaa	35100
aacagatatc	tagttgaaga	aagcaaatgt	ccctgtgata	tgctttagtg	tcaaagattt	35160
gtagacagtt	gtttctgtac	ttcctgggca	ctatcagaag	ctcataagag	ctgttcaaca	35220
tcatgcgcct	gagctgaccc	aaatccagct	ccccatgctg	gaaagacagg	catatctttg	35280
aattcacctg	ttgagttcag	aaatcggtta	caccagggta	gcaaaaagtt	gtttgcctaa	35340
tggtctattc	tggactagtc	agtatgggtt	tgggctcttt	ttttgttttt	gttaaggaaa	35400

aatttggacc	cataccgcag	ccaccagtgc	agtcttcaga	tcatgcggtg	ttcagccaca	35460
tcactccagg	ttttcgggtc	tctgctgcct	cccttagaga	caaaaatcca	atagttacta	35520
gcaagtcttt	gacacacgat	agagtttggc	tgtgtcccca	cccaaactct	accttgaatt	35580
gtaataatca	ccacatgtca	agcacagggc	gaggtggaga	taattgaatc	atgagggcag	35640
tttacaccat	actgtttctc	tagtagtgaa	taagtctcac	aagatctgat	agttttataa	35700
atgggagttt	ccctgcacaa	gctctcttgc	ctgccaccat	gtaagatgtg	tttttgcctt	35760
ctgctatgat	tgtggggcct	ccccagccat	gtggaactgt	aagtcaatta	aacctcttct	35820
ctttataaat	tacctagtct	cagttatgtc	tttattagca	gcatgagaac	agactaatac	35880
aacacacaat	tatccagttt	ttaattagct	aacaactaaa	tatttacaga	gcccagaatt	35940
catgctattc	cattggaggt	acctcatgaa	ctctaaagtc	gaattaactg	ggcaagaaaag	36000
gaaattaata	tatgggtgac	ttcattgctt	aaatctgaga	tgagatgggt	cttctcatta	36060
atttttaaac	ttgatcaggt	ttcaaaaaat	tgatgatttt	caaaaatccc	tccttggacc	36120
tctcatcacc	tattcaacca	catgatagag	ataccactcc	tctccctctc	tcctctctct	36180
tctctggcgc	tctccctcca	gcgctctctc	tcctctctct	tctctctctg	tgtgtatgtg	36240
tgtgtgtgta	tgtgtgtata	tgtatgtgtg	tatgtgtatg	tgtcctcccc	cactggattc	36300
tctcttcttc	aaattcaaag	ttccacaaag	agttttacac	attccttggt	aatactctcc	36360
acttttctct	gactctttat	cccattacac	tatggattct	gtccccagga	tcatcaatta	36420
acacatacaa	attaaaactc	ttttgaaata	ccttccttgt	gcaatcaaaa	ataacaaatg	36480
gaaagcaaaa	tatactcatg	ctgagcaatt	gtgatacaaa	atcagatcaa	gctctaaatg	36540
acatgcatcc	ctgaactaat	caatggattt	gggtagtagc	ctggacatat	gaaaatcaac	36600
tcagggaaatc	actgtcttct	ttcaccagca	tgaccagttt	tagattctag	atagacaggg	36660
taagcctaca	tgaattacag	tttggatgaa	agatagaaaa	ttaggtctgg	acaaatggaa	36720
ggtatttcat	gtcaggatac	actgagatat	tatttttagga	tagttagctt	cagggaaact	36780
ctaagatttt	gaattcatca	gggaataaag	acgcttggaa	aatggatatc	gcagattttg	36840
ttggagctcc	ccacagcata	taaactgaga	aaatgggtgt	gtctgcttca	gtgagtctga	36900
aagagagtat	aaatgacaaa	taggcatata	tggtaggctc	ctctattaag	atgcgaatgt	36960
gtgtttgttc	tcctcatggt	tcttccttct	tcctatttca	tgaggtagcc	aggtatttag	37020
agatgaaacc	atgtcagaaa	acaataccat	atttcactta	caggtatatg	catatgtaat	37080
aaaagtatag	aaaaatgtct	tgaaaacgta	aaacctaatt	tctgcatcat	ggtcacctgt	37140
gggaaagaag	gcagctgagg	taataagaga	agactttaaa	gtgtgtttga	ctcacctatg	37200
aaagttttat	atggtgacat	gaatatgtag	aagtctgttg	tattctataa	ttttttgtgt	37260
tactttaata	tttcataaca	accactattt	ctctgagact	taattctgat	tttaaaaaga	37320
tc						37322

<210> 334  
 <211> 478  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400>	334					
ttataaaaata	ataaaaattta	ttcagcctca	caattacttt	gtgaactgga	aataacaatg	60
agttgtcatt	ttatccaaat	ctaaaaaaa	acatacatat	agtatcaagt	tctggttaaa	120
gtagtagatg	aactttacgt	ggtacataag	agtatctata	cagtttgtgg	gctgcatctt	180
gctagaatat	attacattat	aaaatgcacc	atttattttac	tctgcgatca	aacccccaac	240
ttgccccaa	tgagggaacc	ctcagacatt	tgcagaggag	tcagtgtgct	aagtaagcag	300
cattctttac	aatctatga	acatcaaggt	ctccttggaa	cagatgctct	gtgaacaatt	360
tataaaaactc	cctcctgtta	gacacttagg	ttgantccat	ttttaaatca	attactgaat	420
aaaacacact	ccatcggtgtg	gatgaaatgc	taccttaant	tgtcaaagct	atcatttt	478

<210> 335  
 <211> 431  
 <212> DNA  
 <213> Homo sapiens

<400> 335  
 ggtctggaag ggcagaaat ggagcaagag ccacaaaatg gagaacctgc tgaaattaag 60  
 atcatcagag aagcatataa gaaggccttt ttatttggtt acaaaggctt gaatacagat 120  
 gaattaggctc agaaggaaga agcaaagaac tactataagc aaggaatagg acacctgctc 180  
 agagggatca gcatttcattc aaaagagtct gaacacacag gtcctgggtg ggaatctgct 240  
 agacagatgc aacagaaaat gaaagaaact ctacagaatg tacgcaccag gctggaaatt 300  
 ctagagaagg gtcttgccac ttctctgcag aatgatcttc caggaggtgc ccaagttata 360  
 tccagaattt cccaccttaa agacattgtg ttgaaaaatt accagagcct cagtctttta 420  
 ggttcagctc c 431

<210> 336  
 <211> 452  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 336  
 tctcagtaaa cattcattta tttcctgccg gcaggtgcag tggggcccca ctgggnaggg 60  
 ggactggtgt tctaacagga gcgagaaaat gaaggaggcc tggcttaaga ccagacattt 120  
 gaagaaggct ccaggcaggg aaaggaaagg agaggccagg ccacactgtc ccctccctgc 180  
 cccacgtctt ccagcaacac aaggcggcca gtggaccgtg aaccatttat ttccaaacta 240  
 taaagaaacc tgctctctga gaaaagacac tgcccagggtg atgaagctcc agcccctgga 300  
 ggtccaaaac ccagtccaaa ctcagtcctt ttagaaagct gctgtgcctt tggaaatgag 360  
 tctcggctgt cagagcctgg gaagtgggtg gaagaaccag cccactcccc tctcctgctg 420  
 cgattccagc gcagtttggg gccagctctt gg 452

<210> 337  
 <211> 245  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 337  
 taaaacccca tgagatattt atataaagtt actcagattt gggccgacat ggcttatctg 60  
 aagagtgcac gccgggtaaa ttcagggtgg cttttttctc aggggtctgga agtgtgagag 120  
 tttctggggc agactttttc cggggccgat ctttggaac ggacagaaat tcgggtgcgt 180  
 ctgtggagag aggggtggat ggagcactag aaggcgcact gcggacngaa aaaaggcccc 240  
 ccccg 245



<210> 338  
 <211> 480  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 338  
 tttttgcaat gaagtcaggt ttaattttga gattcctgtg ccctcactca cgcaaggagg 60  
 aagtcacctg gctccagtga acacgtgtgg aacagaaatc agggccactg aaaagccacc 120  
 acccacttga gagggttgt tctcaacaaa cctgactcag atggggccac tttggcttnt 180  
 agtcagattt agagaaaacc cccggctcat ccaatcaatg tgcaatcaat ttctacacca 240  
 tggcagaggt aggaaaagcc agtcacatgt ccaaagatg agtgaaaatc aaggcatcgt 300  
 ggagccacct cctccagagg gggagccaca atctcaggac cccgaagagc agacattttc 360  
 aagtggctcc tttaacattaa gcaaaatgtg gtccctctcat tcgggtctga agcatcattt 420  
 gtgtgtgagc ccggccctct ggggacctct ggctgccagg tggagagcct cctggtgcag 480

<210> 339  
 <211> 452  
 <212> DNA  
 <213> Homo sapiens

<400> 339  
 ttttgctagt gcggtgtttt attgggtaca aaatagatgc aaaatgatga gaatctgaag 60  
 gctgcagtag gaaagtagag ctttaccctc ataaactcgc actttgatta gaaaagtga 120  
 atatattaag agcattatga gaagtctggt gagactgtta cagaaaaaaaa aaataaaagt 180  
 ttctgagtct gataattcca aggggtatctt ttagaactca ctactggtg tctgtgcaag 240  
 gactttcctt gggggaaaat agattttaca acaggcgga actttcattg gtctcatgcg 300  
 tgcttttggg tttcattcac ttgacaaaga actaatcttc cgttgatggt ctccctgggtt 360  
 atggccttga tctttggagt tgcagacact ttcatgctcg actttgatcc tccccgtgtc 420  
 ccttcactct ctccctccca ggagccgtcg gg 452

<210> 340  
 <211> 392  
 <212> DNA  
 <213> Homo sapiens

<400> 340  
 gaacaagttt tgtctgttta tttaaaaaca gaatatcatt ttatgtacaa atatgcacat 60  
 atttacataa aatgtacatg ttaggatctt agatcttcag gctccacatt cgaagtccta 120  
 ggctggctgg ggaacgaagg atgggagcct ctcccttagg ccagaaatcc agcagatttc 180  
 agactaagaa gagtttgggt actaaatcta ggtattctgg ctgagtgtat ctgggtgggc 240  
 cagctaaaaa taaacctcat tgaactccag ccccaacca gagaaacatc cagaagagcc 300  
 ttgaattagt gatccaaaac ccagggggaa aggcgacatt ctacccccca gcacctcctt 360  
 cacctcacct caactectac tctctcggtc tc 392

<210> 341  
 <211> 353  
 <212> DNA

<213> Homo sapiens

<400> 341

tttatttc	aattctc	tattagg	cac	aggtaa	acat	acatact	cat	ggtat	ccaaa	60
acctagag	tgaacct	ggg	attgtgg	acc	ccaagt	gtcc	ccagaag	agt	cccacct	120
actttcc	agg	tggccac	agg	acagacc	ctg	cctaact	ctg	tccctca	acc	180
ggtcaga	agc	ccccatg	ggt	gacagg	cctg	gccctc	attc	cagaac	agtc	240
caagaact	tag	cctcatag	t	tggatt	ctta	tctctg	ggcc	aaatccc	agg	300
aaaggaga	aat	ctctta	atca	agaggac	aga	gatgct	gggg	aacacag	ttc	353

<210> 342

<211> 439

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> n=a,t,g or c

<400> 342

tttttttt	tttagt	cttt	taatgt	tagc	ctttta	aatat	tttcca	ataa	gtgcttt	caa	60	
ctcagca	ata	tacat	atcat	gctttc	ctca	ttattat	tga	tccatca	ata	aatata	caaaa	120
aaaccag	agga	aggg	gtg	ct	gaaa	agtc	aaagta	aaca	taacag	tgg	180	
cacaaga	atg	aaca	atgg	gc	tattc	ttga	aaactc	aaaa	caaatg	attt	240	
atatct	ataa	cataa	aggt	g	aatgg	accat	gttatt	ctta	ttctta	agta	300	
ttccag	ataa	gtcaa	atgt	t	cctc	ctctc	tactc	ctctg	atata	acag	360	
tgttg	gctac	aaaat	caatt	cttgg	tgtg	ttatg	aatct	caatata	aaaa	ctttt	420	
ggttct	gcta	gaaa	agccn								439	

<210> 343

<211> 521

<212> DNA

<213> Homo sapiens

<400> 343

cgttta	aatg	aaaa	acctg	agaat	ccact	ccatg	aaaag	accaa	acgcc	cccc	accct	60
acattac	ttc	atagc	cactt	cgaat	actct	tcacc	agaca	gcagg	agaag	ataat	tcca	120
agacct	ccac	aaaag	caatg	cccag	ggcg	ctgc	agccac	cagc	agtatg	ttctt	cctta	180
gccat	attgc	tatag	tctcc	acgc	agccct	gggat	tggat	agtg	gattcc	ttgaa	atcat	240
tcccac	agcc	cacag	ttatg	ttgat	gcagc	aaga	atcggg	gact	ctgtcc	ttggc	catgc	300
cgggg	atggt	ttccc	agtct	gtgt	agttag	aagct	ccaca	gcag	ttattt	tcttt	ctgca	360
atttg	tccaa	aatag	tggct	gtttt	gttgt	cttta	aggta	attct	ggcat	ctgct	ggctg	420
ggaag	ctttt	tattaa	actc	tgact	tcacc	tgg	tctctaa	acac	atagcc	agca	atgggc	480
acagc	cacct	ccaca	agcat	gata	agagac	agga	agatgg	g				521

<210> 344

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature  
<223> n=a,t,g or c

<400> 344  
agccttagat ccaaggacag tccaaggaag tcctaagacc atggagttgg tgatctggga 60  
tctgggtttg ctgatatttc tcaccgtgaa tctcttggtg gtgtttgtgg gcacgagagg 120  
ggcagagaat ggagagttag gctaccacat gaagcgtcac cagagctgct ccctgctgcc 180  
tgctcagagc accccggatc cactgttcaa tctgcacaag attcggggtc cagacatggg 240  
agacttcagc tgctcagag gaccgtggac agggaaggcc agcctcgcat ccctctgtcc 300  
atgcctggaa atgactttta ttaaccceag agtttttaaat ttttggaant ttgtaagctg 360  
tcggttcacn tttttaaccc acccattcaa ttaaaccntt acaggaattg gcnaaaaaaa 420  
aaaaaa 426

<210> 345  
<211> 345  
<212> DNA  
<213> Homo sapiens

<400> 345  
gtgaaagtac gtagttgtct ttcgtaagtt aaaatgataa ttgggccgaa acttactgcc 60  
ttacctaaaa ggcagcgcag tcaggatatt ggtaggtcgg gggcggcctt ggaaaccctt 120  
aagtttacia gcatgcgcgg acttgagtgc tcattaggtc gccgggcgtc cacgtgcagc 180  
cctggacct gaaccccggc gtgcgtgggc cgtgggctcc ggggaaaggc tccgtgcact 240  
cggggactcc ggtgaagcct gttcagccgt ctgtgtatgt gccatcttga gtctactctg 300  
tcgctcttgt gccctagacc ccgagaaccg tagtttagca aatga 345

<210> 346  
<211> 374  
<212> DNA  
<213> Homo sapiens

<400> 346  
gaaggccaga aacctccaga gggcttcatt gcccccaagg ctggactgtg ctggtagagt 60  
actacaagtc cttagagaaa gcctaactgc tgagctgggc actctgcctg ggacgcattg 120  
ctgagtaaca gaggggacca cgcagccacc gacagccctt ctctgcggtt gtctgactgg 180  
acacacttcc tgaaatcagg ccgtttccct ccgcgtgcat tggttttggc ctgtctttca 240  
gttctgtttc aaactagtgt aacaccacgc tggctctaag gtatcttttc cacttattgt 300  
taatattctt ataatacgat tttaaaaatc tcgccttttt atattgtatt tatgcttctg 360  
tcttacaatt tttc 374

<210> 347  
<211> 447  
<212> DNA  
<213> Homo sapiens

<400> 347  
ttaaattctg caccagctct ggcaaacatt tattgactgc tttctctgca tagaacaacc 60  
ggccagcccc tggactccag agggccacca tcattgttaa gagacctaca tgcattgaacc 120  
aatcacacac gtgctatgag aatagagaaa agaaataagt aattctcaca gacactgaca 180  
aactgaaaaa aacttctttc atcccaggta ctttatggct gggatcaaag ggggtgactca 240  
cttgtttgca caggaaacaa aaggcaaaag gaagtgttgg catcagtttt ccattctgcac 300

atataacccc	cattcctcca	tgaattgcat	gagatagggt	tcattttctc	ctgggtggcct	360
gtctggaagc	cgggctcctc	atagagtcta	gatagaagac	cctcctctcc	gagcccatcc	420
ccctcagaag	gctcgcaggc	ctctgaa				447

<210> 348  
 <211> 367  
 <212> DNA  
 <213> Homo sapiens

<400> 348						
gtctgaaact	ttttcctttt	aatatgggtt	acatttctatc	tccagagaaa	acacacttaa	60
cagaagacag	aaaacattta	acaaatccaa	agcaattaaa	aatagccaca	aaaaaagaga	120
ataacctaga	ctgacagctc	acagagcaag	gagggtggcag	agacctgccc	aggtgagctt	180
ggctgttgcc	cccagctcaa	tcttcctcct	ctcctctctc	tgtcccttca	cctctgatca	240
gtcccagcct	gattcccgtt	ccctgatgcc	tcaccttctt	gctgccagat	gcctctagga	300
actagggtcc	ttcagactcc	agatgccctg	gcctggggctt	aggacatctt	gacttcccca	360
gtggaca						367

<210> 349  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 349						
ttgcttataa	aaaccatttt	aaattaaaaa	agggaggaag	catcagtgca	cacagatggg	60
gacacagggg	cagagggcca	gcccaaagta	cagtgtggtc	acccacagc	ccagtggacc	120
cagggcagac	tcccctcgca	gcacagacag	ctgaggcccg	ggtgctgggt	cctctaggta	180
cagcttttgt	ccttgtgggc	tcagaggtct	gcctttcgga	aacttgctct	gttcaaggag	240
ttcctgaggc	cgggtggggg	gggtgccatc	agctggggca	ggcgctgggt	aagcaggggc	300
tgcagantc	ccgcagcggc	agtagttgcg	ctccagctca	cgggtgtact	ccttctggtc	360
cggccaatc	agggctttat	ttttccgcag	cgcacctca	catttcttgc	agaagtcctt	420
gaagccctcg	tgcc					434

<210> 350  
 <211> 416  
 <212> DNA  
 <213> Homo sapiens

<400> 350						
ttactgagtg	aagaaacaca	caaattttat	ttagaaaatg	aatgaccatg	tttgcaataa	60
actcccaaaa	tatccgccat	aagatggcca	taatattctg	atgatcaagg	agcacacata	120
tacaaaagtt	attggattac	tgcaattctc	agaggcacia	aacctgacat	ggtgtgatat	180
agtatataat	cagtcacggg	ggggaaaaga	acattaagtc	tttaaaaagg	cttaggaaga	240
cataaacagt	aaatctttgt	ttttctacct	tcctttggac	agtgttatat	ttcactttct	300
tcctttgcaa	atgtttccaa	attcatttgc	tcaggattta	tttaagataa	taacttaaaa	360
ccactaacag	ttggttttatg	ctatatgcat	atcatgcatg	gttcctactg	ggttcc	416

[illegible]

```

<400> 351
tttttttttt ttcaagagta taatatTTTT tattcaactga taaactaaaa gccaatTTtct 60
tggatTTtct catgtatact tcatttattt tattaataag caaagccttg taaggggagc 120
ctttgcctag tcctccgact cngattcatc ttcatcttga ctaatctgga agtaacgaag 180
ttcgtaggtc tccttgTcag atgcaaccac tcgaagccaa tcacgaagat tgttcttctt 240
aaggtatttc ttggtaaagt atttcaaata ccttttaaq aa 282

```

```
<220>
<221> misc_feature
<223> n=a,t,g or c
```

<400>	352						
ttttgtttaa	agataattta	ttctatagag	tgcattcttg	cactctatag	gtgacagaaa		60
aacaaaactgt	gctttaaata	ccaaacaagt	aaatcagaaa	gcttattttc	tatttnnnnt		120
atatctaaga	cacacttnta	taanaagaaa	acagaccctc	ctaacatgta	ncattaccgt		180
tcgtggcaat	tgttctcaac	ctttcactct	ccttttgacc	ttngcattaa	gctcctttgc		240
tcacttctga	gctctcagtt	acagttcttg	aggtggcatc	ctaaccaatt	tgcactatct		300
ttcaggtgaa	gcgctggata	tttaccagat	aattgaactc	accaaaggct	ccttggaana		360
acgaagccag	cctgggacca	tagcactgcc	tggngggctc	tgtattttgt	cccggtggagc		420
ttcatcgggg	ggtggtncag	gctcccaaaa	ctcaaggcnt	ttcaggctgg	tgnctttttt		480
qcaaaaaagg	gccttgccct	aagggccagc	ccatt				515

```
<220>
<221> misc_feature
<223> n=a,t,g or c
```

399

0983387 060501

<400>	354						
ggtgggtaca	tgggtattta	tttcattggt	attaattata	gcttactcat	gttataaata		60
ttatttggtt	agtaaacagc	acttaattaa	aaaaaacaat	gtaaaagaca	tggattttaa		120
gattaattag	aaactattga	gcctgagaag	catgaaagag	aaaagaatcc	ttcgtgctgc		180
caagtcgatc	tctagggggag	aataactccc	acggctgcag	cgtatgcagt	gcacacagaa		240
gagggctgct	ctgccagtc	catgtgggtg	gaagataact	ggggggagta	ccagaggctg		300
ctgtccactt	ggacactggc	cttgagcaac	tcagctgctg	cagccagagc	gccaatgctg		360
catggccctg	aggcaagccc	tggcaaatgg	gctgcccagg	tangcttggn	ccacgttaaa		420
aacagaccca	cggcaagccc	tgctga					446

```
<220>
<221> misc_feature
<223> n=a,t,g or c
```

<400>	355						
tttttttttt	acttgaaaat	tgctttctcaa	gatttaatat	agttttcaga	aaattttttaa		60
atttacattc	tcatgtacaa	ataaattgta	tgctttccgg	ataagtgaca	tgtttatatg		120
gtgataaagg	gaattataat	gctcttaact	cttatgtagt	atgttctcat	caaaatcacc		180
aagcatgaga	acactgttta	gtctcattca	tactcagca	cagcctcttt	ctgtccactt		240
cagggccaag	tctttgccat	ggccccacat	aacgtgtaaa	ttagcttcag	ggatcaaaaa		300
tctttgaaaa	cccagtttgc	tgagcettga	aggaagcctt	tagaccagc	ttcaatgaag		360
tcacagctcc	ctgagggctc	tggtggaactg	gaggcgccct	cccaagcctg	ggagctgtgt		420
gcctggatgg	tctcactggg	gtgatgaacn	aagn				454

```
<220>
<221> misc_feature
<223> n=a,t,g or c
```

400

aacacaaccc	ccactcccag	gagaggcctc	acatgctgcc	ttcggctctcg	ccagccttct	180
agcgtggggc	ctgggcgccc	tttaggtgag	tctgcacacc	cgtgttcagg	gctcccggcc	240
ggaagcgga	ccataggcat	gctgcggccc	cagatgagcg	cggagggcaa	gcaggtgccg	300
gggnagcgca	caccccacag	ccaagcgccc	cctgcccagc	ctctntaaac	agaccctcac	360
aggtccctcc	tgggcctcag	tcacatccct	nagaaanact	ggcggctctg	cccgagangc	420
caggtntcc	accgagcctg	gctgaagcag	ctgtcccctc	ccttnttgca	gagaggctca	480
aatgggcctg	a					491

<210> 357  
 <211> 177  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400>	357	
ttatttttaa	aaaagacttt	attctctaga
gagggcaagg	aaagtttgca	taaacgcaga
gctcattttc	ttcttagcaa	tcagncatgg
		tgaacttgga
		ggacccaaaa
		gncatta
		60
		120
		177

<210> 358  
 <211> 476  
 <212> DNA  
 <213> Homo sapiens

<400>	358	
tcacatttgt	atgtgtcatt	tatttcgggt
cccgcctcct	cctcgctggg	tagaactaac
ctcccaaata	gcaagagttt	tcttttcccc
ttttgtctat	ccttgccttt	ccttttcttt
tttgtggggt	ttttgttttt	cccctggctg
gactgtcctt	tgctcggttt	ctctttatct
aaccagattt	tgacctgccg	ctcggtgaga
tccctgggta	aatacatatt	gaagagaaac
		tccttctcca
		gttccagcgt
		caggta
		60
		120
		180
		240
		300
		360
		420
		476

<210> 359  
 <211> 264  
 <212> DNA  
 <213> Homo sapiens

<400>	359	
aagatttttt	tgtttatttg	gtatgggggtc
ataaataacc	caggggagcc	ccctttgccc
cccaaaggcg	agggacctgg	gaatccgagg
aggaggccgg	cgcgcacacg	cggggcacgc
gcacaggcag	gctcccggcc	gcgc
		60
		120
		180
		240
		264



<210> 360  
 <211> 419  
 <212> DNA  
 <213> Homo sapiens

<400> 360  
 gaattacaaa ttgataattt attaacctgt gcagcaacaa ataagatttt tcaaaactca 60  
 acaaagtgtc caaagttgac attacttgct tcaaagttag tttaaggcaa gtaaatacta 120  
 actactgcga ggtggaaaat tgcatagaaga ccttgcaacg tcattcactg aggatcttct 180  
 catccttttc ttttttatct cgtgccccct gtctatttca aatcatcagg cacattcatt 240  
 taataatttc ccaagcaatt tttaaaaaga cgtttgggag tgtgtaaaag tttagtact 300  
 ttcacactaa aacttgttgt cagaggtaca tgggtactat ctccacacag gcagagctgg 360  
 gacccaactt actaaacctt cacgtgagaa tcttctattt ttaaggctga aggatggca 419

<210> 361  
 <211> 472  
 <212> DNA  
 <213> Homo sapiens

<400> 361  
 ttttgtgaac atagcagagg aggtttaata ggataagtca gctacatttt taatgttattc 60  
 aacttatcat taatgtgtat acattagcgc cctactgaaa ggaagtacca gtctttgggc 120  
 aaaacttaag agattccttg aggaacctac ggcctgaacc ttaaaaaaaa aatctctaaa 180  
 gaccttacag tctgctgctt taccatttca ttttaattat caacactgga gttgcaattg 240  
 gctaagttgt caactgtatt ttaggagctt accaatgtgg cactcagaat cggagtgacc 300  
 atcagtgacc taaagaggtta agatttggtg aatactttag tccaaaagct ttaaaaaact 360  
 attagaccat atattctatg tttttaaagt gaattatgca taaaagctg tgcaaaactac 420  
 aacatgattg cagtaacatt ctcaagaaaa aaaaaaccct agtatacttt ag 472

<210> 362  
 <211> 314  
 <212> DNA  
 <213> Homo sapiens

<400> 362  
 tcgtgtgtaa taaagtgggt caaccatgat taggaactga aatttagtag aagagggaaa 60  
 aggagttaat gtaacaaatt attttagcta caaaccccg gtaatagagca cttgggggat 120  
 gggatgggggt ggggttggtga gacaatcaga atggtaaatt gattaaatgc tcctaaccct 180  
 gtaattttgt gcatagagca ccctatgctg tggaaataac tgttcttaga tttcattgta 240  
 actggactgt tcaggttgcc cagaggaata gaacattcct aattctaata aaataaactt 300  
 ttattttggt attc 314

<210> 363  
 <211> 454  
 <212> DNA  
 <213> Homo sapiens

<400> 363  
 tttttttttt tttctcagag aattatttaa taatagaatt accatacttt tggcgcaaatt 60  
 gtgtccaaca ccaatgtgac aagtacatat atcagaatca ctctttcctc agagaatcac 120  
 accttcctt ggctctgcat gtggatccaa atcaagcctg ggtgtgtctg acaataccag 180

ggcacggttt	gcttcccggc	cctccatctc	tactgtttgg	ctacagcttg	agttcactag	240
gcatcggttc	ccctctcagg	ccagccagca	agttgttagc	tgccaacaag	gacatgggtg	300
tgcggtttct	gtgggtggca	ctgccaatgt	ggggcagaat	cacacagttc	ttcaggggtca	360
ggagaggggtg	gtttgtaggc	agtggttctg	ggctcgtcac	atccagtcca	gcagctgcaa	420
tcttaccact	gggcaaggcc	tggtacaggt	cgtc			454

<210> 364  
 <211> 425  
 <212> DNA  
 <213> Homo sapiens

<400>	364					
tgaagcccaa	catttaggtt	ttaaaaatca	agcgtataaa	tacagaaggt	ggaggggaact	60
tgtttttagac	acagttcagg	tgaagaaaga	cctggaaact	tctgttaact	ataagctcag	120
taggggctaa	aagcatgtta	atcggcataa	aaaggcaatg	agatcttagg	gcacacagct	180
ccccaccct	cttctgcct	tcatccttct	ttcaatcagc	agggaccgtg	cactctcttg	240
gagccaccac	agaaaacaga	gccttggaact	catgaacgaa	tccatgccag	gcaccagtct	300
cagccacagt	cacatccctt	taaactggat	ccacacagta	agaggactct	gaactccct	360
gcagactgcg	aagtcagcct	cattcactgc	taagtctcta	gcacctggga	tggggcctga	420
tgtgt						425

<210> 365  
 <211> 411  
 <212> DNA  
 <213> Homo sapiens

<400>	365					
tttttttgga	aataaacaag	ctttattttc	agtttcaaca	ggtaaggcga	tacctgcttc	60
atcgtgtgct	tttatgtaaa	tgccaaatag	caaaataaca	gctagaaaat	aaacagtttg	120
tcagtttgga	gatcaagtac	tttatctatc	ttgagtgtta	tctatcttgg	aatttagcca	180
ggcctaaaag	tagcgggaagt	gtcaggaaat	gctatagaga	gccaatctcc	agctgcaggt	240
tggtgggcct	ggcactgacc	agatgcgggt	agctcaaagc	accgagcgat	gcaggcgccg	300
tttctgcatt	gcctgcagcc	tcttctgcct	ctcggcaaag	ttgttcttcg	gggtctgctt	360
cagtgcgggc	aggatggcac	gctccgccac	aggtgggctc	agaagcaggc	a	411

<210> 366  
 <211> 261  
 <212> DNA  
 <213> Homo sapiens

<400>	366					
gcctagaaca	gctaagacca	cagggttcag	caggttcccc	aaaaggctgc	ccagcettac	60
agcagatgct	gaaggcagag	cagctgaggg	aggggcgctg	gccacatgtc	actgatggtc	120
aaattccaaa	gtcctttctt	tatactgttg	gtggacaatc	tcagctgggt	caataagggc	180
aggtggttca	gcgagccacg	cagccccctg	tatctggatt	gtaatgtgaa	tctttagggg	240
aattcctcca	gtgcccttta	a				261

<210> 367  
 <211> 388  
 <212> DNA

<213> Homo sapiens

<400> 367

caattcctat	gtatttttatt	ttatgcattt	aaaaaacatt	attctaggcc	gggctcagt	60
gctcatgcct	gtaatcccag	cactttggga	ttacaggtgt	gagccacacg	cccgggttaa	120
gaagagttct	tgaggctgtg	ataagctttt	ctcaaattgt	ttttaagcc	agctcatttc	180
ctgtgtgctc	atagtatcat	agtataatca	gtgcactatc	ctcatatcct	ctaattgaag	240
gatttttacg	gaacatgagg	tcttggcaga	agccctgcat	ttgttactg	ttgttttcca	300
ggagagatat	ttgcagccac	tgaggatggg	caagcgcatt	caccagctct	gaaagccctg	360
acacaggggt	tccacataga	tgaggca				388

<210> 368

<211> 591

<212> DNA

<213> Homo sapiens

<400> 368

gcggccgctg	tgacgtgccg	gtaacgagct	gcagccgccg	ccgccagatc	cacgctggct	60
ccgtgcgcc	tggtcaccca	cagcaagttt	cccgcgccg	ggatgagccg	ccccctggac	120
accagcctgc	gcctcaagac	cttcagctcc	aagagcgagt	accagctggg	ggggaacgca	180
tggcaactgc	aggagagcgg	cttctactgg	agcgcagtga	ccggcgccga	ggcgaacctg	240
ctgctcagt	ccgagcccg	cggcacgctt	tctgatccgc	gacactacgg	accagcgcca	300
cttcttcacg	ctcagcatca	agacccagtc	tgggaccaag	aacctgcgca	tccagtgtga	360
ggggggcagc	ttctctctgc	agagcgatcc	ccggagcacg	cagcccgtgc	cccgttcga	420
ctgctgtctc	aagctgggtgc	accactacat	gccgccccct	ggagccccct	ccttccccctc	480
gccacctact	gaacctctct	ccgaggtgcc	cgagcagccg	tctgcccagc	cactccctgg	540
gagtccccc	agaagagcct	attacatcta	ctccgggggc	gagaagatcc	c	591

<210> 369

<211> 299

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> n=a,t,g or c

<400> 369

aatagttcca	ttcattaagt	cattttcttct	tgctctgctt	ggtaaaagggt	gaaaacatgg	60
catcaaaaca	cagcccagag	aaagtcaatt	cctgtatttc	taagacagta	ggatccaggc	120
ttatttggaa	gataaaatat	ctctggaaga	acagatagtg	ttaatggatt	gantcatttt	180
cctcaaaaag	atataacccc	cagaacctca	gaacgtgacc	ttatttggaa	atagagtcac	240
aacatatgta	attagttaaa	attagttccat	attggagtag	ggaggacact	aatccagca	299

<210> 370

<211> 203

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> n=a,t,g or c

<400> 370

aacagtttac	ttttttaata	taaagatttt	ncaatttaca	cttgtaggag	tagaaaaaac	60
taatatgcta	agnctgtaag	ctacgcagca	aaaataatga	tcttaatgaa	gccagaattc	120
tgtgaaaatg	tgaccacac	tgcatatata	gtagctgagt	aaatgtaaac	catgngctta	180
ttactcttc	tatataaaat	att				203

<210> 371

<211> 545

<212> DNA

<213> Homo sapiens

<400> 371

tttagcatta	ataatttatt	tattcattca	tttcaacaaa	catgtattag	ttatgttaca	60
tacttttggg	agacctgaat	tgtaaagatc	aaaaattata	cacagaaaga	cttctgcttt	120
ggggcaggat	gtgataggcc	aatactctta	cctgaacaaa	tggaataat	taaaaaagtc	180
atthtcagaa	gcacctgaga	gctgtgaaag	caacgaagac	taagtgaact	aaaattccag	240
agagagaaag	agagaataat	ttcgagggtga	tctgatgatt	gctggctatt	tttctctcag	300
gacattttgt	tggttctggg	agtactgatg	gtttgggctt	gaccaggtag	agggactctg	360
ctctgctttt	gcagtgggta	caggcatctt	ttctgatccg	ggagtcagaa	tgacactacc	420
agatcactga	gcgttgggtc	ctagggtgtga	ccgtgggtaga	attgagtcct	tggcgatctc	480
tgattcttca	tgtcaacagc	ttctgaacca	aattctaggg	cacactcatc	agattagcca	540
aggct						545

<210> 372

<211> 332

<212> DNA

<213> Homo sapiens

<400> 372

caaataattaa	gtaaataatt	taatgataga	acactgaaat	ttcttttagac	acagtatthtt	60
caagttatat	ttctgcctgg	agtacagata	tgaaatagca	caaactgtac	tctgaattaa	120
gcaaacagaa	tgaataaaaa	aaaaatattc	tcccaaccta	agtttccggt	cctcatttcc	180
acttgccctca	gactctttct	attgaacata	tctagttaaa	tctctaattg	acggcctgtg	240
ggaagattta	ctgccaacag	ggatgactg	acttctttcc	ggacactgag	caggggactg	300
tgggctctga	agcagtttac	ttcctgtgga	ag			332

<210> 373

<211> 142

<212> DNA

<213> Homo sapiens

<400> 373

caaacctggc	gtctatacca	acatctgccg	ctacctggac	tgatcaaga	agatcatagg	60
cagcaagggc	tgattctagg	ataagcacta	gatctccctt	aataaactca	caactctctg	120
aaaaaaaaaa	aaaaaaaaaa	cc				142

<210> 374

<211> 414

<212> DNA  
<213> Homo sapiens

<400> 374  
tgggggtaaag tttaatggaa aagccgtgga aacgttgagt tcacaaacag gacttcccgt 60  
gcaactgtcc agccagacct ggggcagctc ctggggaccc tgcccccttc acacacaccc 120  
atcccatcca tgggtgctga gaggccttca tcttcagttc cctccaccag atcagttggg 180  
catgttgggg gcagagatgg agggttgttg aatcacacta ggctctgtaa gctgagaaga 240  
cgatcctgca caggggtggcg taacagtctc ctctgcccag ggcacctgca gggcgagaag 300  
tcacatgcc a gactgaggca tgcttgcgaa cactagcctg gccccagcag caggggggtgc 360  
tggaggagct gcagcttttc cccatcttgc tgaattattg atgggcctgg cact 414

<210> 375  
<211> 528  
<212> DNA  
<213> Homo sapiens

<400> 375  
gatatcattc caggctttta gtttcttaag gagcaaaaaca gcttccttgg tcttcttgta 60  
gccttcaact ttatcttcaa ctaccaaagg aagttcagga acttctcaa tacgatgacc 120  
tttagacatg accagtgtct gttagggctga ggcagccagg gcagaacaga tggcgtatcg 180  
tttttgggtt gtgttctact tacgatgcca acggcgccag gttttggttg gtgcaaacat 240  
tcggccttca cgacacatgt ttccaaaagc accctggcca gaacggtgag tcccacaacc 300  
tcaaactctg ggggaattccg agcacagctc tgccagtacc ccaagactta gcactagtct 360  
gaagacctgc taattccatg acagcatagg gctgtctggt gtttttgccg aagttggtgt 420  
gaaccaagtt cacaatatct ggtccaatag gaacctgaa tacagcaggc aaagtggcat 480  
ttttgccaaa tgacttcccc ttttcggagt tcaccggtat tagttggc 528

<210> 376  
<211> 207  
<212> DNA  
<213> Homo sapiens

<400> 376  
tttttttttt tttttgacgg ttcctatata acgtttatatt ctggaagtta aagtagatac 60  
agcaatatac caaaaaaaaa aaaaaaaaaa aaagacaaaa aacctcaca taatataaat 120  
ttttacacta tgaagtacac attggaattt gaatgcagtg gccaggacag cagcttataa 180  
accaccttat aggtaggtaa gcaaccc 207

<210> 377  
<211> 278  
<212> DNA  
<213> Homo sapiens

<400> 377  
tttagcactt gaacttctga ctttattatt tttcttcaaa tgaacagggtg ataaaacact 60  
gtgtccaaag caaatgcat gactcccttt tctcttcttt cacagagtac cagaaaaatgt 120  
aaacaatatt tagcttgaac ttctgagtc tcatcttttt tttaacagcc tttagaacaa 180  
cattaatttg tttgtttata ctagcatttt acaacataaa aaataaaaata agcagactgt 240  
ctgaggggggt ttatataagg ttttcagatt ctgataca 278

<210> 378  
<211> 183  
<212> DNA  
<213> Homo sapiens

<400> 378  
tcaggggtat gaggctttat tcaggaagag ctcaagatgt gaggggagcc cctgggggtcc 60  
cacatcttgt ggcctcttga taccaaggct catgggacgc taaaacctaa tgactgcagg 120  
catctgagct tccttgaggt catctgtggg gggcacaggg gcagcctcag agtcacccgt 180  
ggg 183

<210> 379  
<211> 438  
<212> DNA  
<213> Homo sapiens

<400> 379  
tttttttcag gcatattagc tttaatgtag gtggcgatga gtttttaggc caaggaagga 60  
ataatgtttt atgtaccaa gccttttgtc cccattttcc atcatacgaa tagtattccc 120  
tggttgctaag ccgatgatac attacccttt tcccataggt gtgagtggcg gtctgaatgg 180  
agaagttcaa tagttctgat tgcagatcct atgcagaaga gataataagg aaaataatct 240  
ttgtctcctg gattaagctg aggctggcaa agagtgaat gtcccaagcc ctctaacaac 300  
aaacaacata ctttgtgttg tcctggatgc tgggtctggt gccaaatatg tgggaactggc 360  
cccatatgcg tgtactgttg tccatttcat gagagtaggc ttgaggacac catgggcaag 420  
gatctgatgg ttgccagc 438

<210> 380  
<211> 465  
<212> DNA  
<213> Homo sapiens

<400> 380  
tttacctgtt gaactcattt attacttttt atggattctt tagcattttc tatatacaac 60  
tatgtatcaa ctgtgaatac atatagtttc acttcttttg cagtataaac ctcttttctt 120  
tattagctta tttgattttt agatgttgaa caaaccttga attcctaacc taactgctgt 180  
ggctagaact tcaagtacaa tgctgaatag aagtagtgcc gagtgaacat ccttgtcctt 240  
cttcccaatc ttaaggggaa aacattcagc cttcagtcta tcaccatgaa gtataatgtt 300  
aggtgtgggc ttttcataga tgttatattt atcatatcta ggaagattcc ttttattcct 360  
aagtttgttg agtgttttta tgaaagagtt ttggatttta tcaaagtctg taataagaca 420  
atctgtgtgg gttttgtgct ttattaaata tggtagagtt gatcc 465

<210> 381  
<211> 418  
<212> DNA  
<213> Homo sapiens

<400> 381  
gaaatgtaag tatacagatt ttaattttatt tttaagaata attgtatatt ttaaaaacag 60  
gacacgtact gtatgagtaa acagcgtggc taacaccaag tccacactgg taagcttttg 120  
agaaccattt acactatgtt gacagtagta ctgctgcagg cagacagcgg aagaataaat 180

aatagtgtt	caagaagagt	agtgattgag	aggataggta	aagagggcgc	ctcatcgtgg	240
aagctagagc	aggaacacct	ccccagtagt	gacatgtgca	aagttccaga	tctccacgac	300
aaagacagct	caacccactg	gaacaaacag	actcccaatg	tggctggcaa	ctgcgggggt	360
agaagaactc	aggcaaagta	ggcacaggaa	tgggggagat	gagagccaag	ggacaaac	418

<210> 382  
 <211> 359  
 <212> DNA  
 <213> Homo sapiens

<400> 382						
tttaacaaat	tgtattatta	cacattccta	gttgctgtt	gtaatagaac	agatttcaat	60
ctcagaaatg	tttatctgag	agacatagat	caggtttaca	aggacaagag	gtcaaagtca	120
tgccacagac	gatccacacc	acctatgtat	gcactctctc	tcttgcacac	acacacgcac	180
acgcgcacac	acacgctgag	tctcatgtgc	ttacctcgtc	tgactgccgc	tggtgttata	240
tgtagcttcc	atgcttgga	gaggcacata	tggtaacatg	gtgtggctaa	agtaaagcaa	300
aagtacaaaa	gcaataggta	agggcagtgg	gataacagga	aaggttttga	tgttattgt	359

<210> 383  
 <211> 398  
 <212> DNA  
 <213> Homo sapiens

<400> 383						
gtattttctaa	aaccattcaa	ggctccttca	ttaattggct	tcccccaaa	agaaagattt	60
ctttattaag	aaataccaga	gagtgaaaaa	cccccaacac	atacacattt	gtaggctcac	120
acaaaagtgc	agagatttac	atattaaatt	gcatttaaatt	tagaaaatag	atttaaaaac	180
aaaatacttt	ttttctcaa	caaagtaaag	agatttggtc	agtaggaacg	ggtgctttat	240
gggtaaaggc	aggatggtca	ggacagggag	aatggaattt	agctgctacg	gaatcagaat	300
ccacctctaa	cccaacctca	ctcctggggg	aaaagcaaag	gaggagatga	tgatctcagc	360
tagggccagc	aaggctcaga	gctgaatgga	catgaaga			398

<210> 384  
 <211> 448  
 <212> DNA  
 <213> Homo sapiens

<400> 384						
catgaggctt	atattttttg	ataccaaaac	cagacattaa	cagtaccaa	gaggaaaatt	60
ataggcctaa	atcacttgta	aacatagaga	cgaaaatccc	aaatcaaaag	caatatggag	120
ctagtaataa	gtcttttaatt	ataaccacat	ttccattggt	atatctcaa	atactaccag	180
taattcaata	tccagtatac	aatcagtatt	caaatatcac	cgaatgtttt	ccttttttct	240
gtttatccac	acaaggttta	tatatattta	agatatctct	tagtcactaa	attaggctta	300
gcgtgggtgc	tcacgcttgt	gatctcagca	gtttgggatac	acagccgtga	gccaccatgc	360
ctggccctct	ttttcttttc	aattttattg	ttgaaaaatg	tggacttgta	tttcagagt	420
ttccctgggt	gaaattttga	tgattgca				448

<210> 385  
 <211> 490  
 <212> DNA



<213> Homo sapiens

<400> 385

tttttttttt	tttttagacaa	accacaactg	tttatttggtg	aaagactcag	cttcctcatg	60
tgctcgctgc	aaaataaata	aaataccaga	tgctagtatc	gtacactatt	tacaacctgc	120
agctgaccaa	gcaggtcctg	aagccttctc	tgtggaccag	tactgcactc	ttctgaggct	180
acgggagagg	tccagcagcc	gggccaggga	ctaaaaggaa	acgaaggatc	tgttttattt	240
cgagctcggg	ggcaggctgc	acttctcgca	gatctgaacg	ggcagcatgt	gagtcaagga	300
agtactgttt	atggccacca	gcagctgcaa	cttgcccata	cagtcctcca	gcgccgcctc	360
cgggtggtct	cccagtcgca	agtcacacgg	ccgcgagacc	ccagcatgct	ccgccagcgc	420
aggcagcaga	tcgccggagg	gaaggggata	gctggtgaag	gatagtcggc	caactcagtt	480
tgccaccccc						490

<210> 386

<211> 366

<212> DNA

<213> Homo sapiens

<400> 386

atcttggttt	tctgatcgga	gcatactac	tgacctgttg	taggcagcta	tcttacagac	60
gcatgaatgt	aagagtagga	aggggtgggt	gtcagggatc	acttgggatc	tttgacactt	120
gaaaaattac	acctggcagc	tgcgtttaag	ccttccccca	tcgtgtactg	cagagttgag	180
ctggcagggg	aggggctgag	aggggtgggg	ctggaacccc	tccccgggag	gagtgcctac	240
tgggtcttcc	atctagaact	gtttacatga	agataagata	ctcactgttc	atgaatacac	300
ttgatgttca	agtattaaga	cctatgcaat	attttttact	tttctaataa	acatgtttgt	360
taaaac						366

<210> 387

<211> 412

<212> DNA

<213> Homo sapiens

<400> 387

ttttttttct	agtcaacaat	tttatttttaa	agttttttcaa	aatacaaaaag	ttagcaaaaa	60
gctgaatatt	tacaattatg	tcataggtta	ctattaacag	tgagaggat	agagtatgta	120
agaaagactt	tgaagaggaa	ataatataca	aagtacaata	aacagcaagg	ttacatgtca	180
tcgttttgcc	accgtacaga	agtggaaagt	gccgacctgg	agaggtcacc	gttggttcat	240
ttctctgtat	ccagaaagga	ccgtctctta	aatccaccag	gggaggaaac	agcctcctgt	300
ggaaaatgct	gtcttctcag	gagcattgta	tctgcacgtg	ccaatcacag	ttcctcctcc	360
gttcgcaggt	actgggtaca	gttctgaaat	cttttttcagc	tgagcagcgt	tt	412

<210> 388

<211> 290

<212> DNA

<213> Homo sapiens

<400> 388

aaatacaaat	gttttattac	gcaaaccaca	tgtaggtccc	aggctcaggg	gcttacccta	60
cagccccac	tggtccctgg	ctccaagcct	gctccttgcc	cttgcccacc	ctggaaagcc	120
aggatctcct	atggagtgtg	taggtgtcca	cgagtgtacc	ggtgtgcggg	cctcctgggc	180
tgcaggcact	caggcatggt	ggcagcattg	agggaaagac	aggtgttggg	gagcggggtc	240

ccacctgccc aggctcagga gtcacagggg tctgcacagt cctttctgct

290

<210> 389  
<211> 255  
<212> DNA  
<213> Homo sapiens

<400> 389  
 tttttttttt gatttgttta cttttattat cattttttta atgtgggtcag gggttttata 60  
 gtattttttt tttaatcttt ttggttattg aaaaaaatag aacagtccac tgtccagcag 120  
 aggctgcttc aactctattg ctgcagggc tcattctgca tggatctgtg tttcaggatg 180  
 ctgcaaggac aactctgcgg gcaggaaggc ccttgacca acgctgtagc ataggtcctg 240  
 ctctgtggat gggga 255

<210> 390  
<211> 338  
<212> DNA  
<213> Homo sapiens

<400> 390  
 agcccaagca taggcaggct tctgacttta ttctgtatc tacctgcata tatacatggt 60  
 aaaaaccatg ggtttacaca gataccttg agccaacca acaccaaggg ctttccttgg 120  
 cctccctctg gctctcactg tccgatgcag attagattta cctgtgtggt caatcctcgt 180  
 gtgtacatac atttcagaac tgcctggcctg gacctatgtg aaaaacagtc accatctaca 240  
 gcaggggtgt ccaagctttt ggcttccctg ggccacactg aacaactgta ttgcaccaca 300  
 cataaaatac actaacatta atgatgactg atgagtta 338

<210> 391  
<211> 448  
<212> DNA  
<213> Homo sapiens

<400> 391  
 ttttttagca cttgaacttc tgactttatt atttttcttc aaatgaacag gtgataaaac 60  
 actgtgtcca aagcaaatg catgactccc ttttctcttc tttcacagag taccagaaaa 120  
 tgtaaacaat atttagcttg aacttctgag tcctcatctt ttttttaaca gcctttagaa 180  
 caacattaat ttgtttgttt atactagcat tttaacaacat aaaaaataaa ataagcagac 240  
 tgtctgaggg gtttatataa ggttttcaga ttctgataca ggcttgcata tgcctcgttt 300  
 ttagtctgac aaagagaaac actgctttag gaagtgggtc atgtgggtgt ataagtggtt 360  
 cgtggacagg ccgataaagc cgtggttctg gtcagagtac cacattgcct ggaaatccac 420  
 ttgtgcatta accagagctt tagcaatc 448

<210> 392  
<211> 490  
<212> DNA  
<213> Homo sapiens

<400> 392  
 ttttttctga atgaaagcta attccattct tttatttctc cataccacaa acatttcaat 60  
 ttatctgctt ttttacaacc tgatttacac aagcaaattg caaacgaaaa ccaggcattc 120

tttaatcatc	caaaatgcat	gtataaaata	tagaacaaac	cctagtattt	aaacataaac	180
agggttagct	gaagcagctt	tattgcaatc	tcttcaagtt	agcatattac	agtttaaata	240
tttatgacct	taaagatctg	cataatctac	aatacagagt	tatttcagaa	gcagttgact	300
taactagttg	agaaaaaaaa	acaacaaact	tcaacgcaaa	gctataataa	tttatccgaa	360
acttatttac	aattaaacat	ttagggctct	gatttacaaa	actcagtgcc	tttcatgatt	420
tattgatgag	ttttatagag	aaagtaagca	gtatgtagaa	tattccccag	gtaaaatctg	480
gagtgaatgg						490

<210> 393  
 <211> 379  
 <212> DNA  
 <213> Homo sapiens

<400> 393						
ggaggaggcc	cctgtgagcc	cactctggaa	cccttcctgg	aaccctccct	actctgtccc	60
cctacagaca	accaagcact	aatcccccta	gtaccaagaa	aggggagcca	ggatttagtc	120
ctggcccagc	ccagagctgg	gacctggagc	acgatctggt	gacttccctg	ggtaggacac	180
tgccacctct	gggtcaggt	cctcatgcct	ccaaatggca	tctagagttt	gagcagcctt	240
cttggctgag	gcaggcctag	cctgtggagc	gggctagggc	caggagcatt	tggtgccctt	300
ccatgttgca	atgcaaacac	cttcaccact	ggggcagtgg	ggagagatgg	ctatattaat	360
aaaataacgt	gtgtctttc					379

<210> 394  
 <211> 380  
 <212> DNA  
 <213> Homo sapiens

<400> 394						
ctttacttaa	aattatTTTT	ccttttagaa	agttcaccag	gaaaccagct	cccctccac	60
cacgccgggc	aggcacagca	tctttttaaa	atccgcgctg	attttccctc	acacccccaa	120
acaggaactc	ctcaggatgg	cctcagaagg	ctggagtctc	tccctgtctg	gcgggacacc	180
ctgggtggcg	tgaaggcccc	tctgccacaa	cggagggtttc	tgattgtggg	acacagtctg	240
gtttttgttt	tcttcctgtc	ttctaattaa	aaaagacatt	cctgggtgac	aggcacagtg	300
caggagtgtg	agctatcgaa	acaacctggt	gaagtctcgc	aaggcccagc	aaacttgttt	360
acattcctca	gcactagtga					380

<210> 395  
 <211> 400  
 <212> DNA  
 <213> Homo sapiens

<400> 395						
acagatgagg	agcctgaggc	atagagaggt	ttattaattt	gtcaatcaaa	aagttccaag	60
tttcaaagct	gggatgaaaa	gccaggctct	ctgacttgca	ctctgtcaca	ctggattttt	120
cctctgatcc	agctgcagcc	tcccataaga	agttcactct	taatttcatg	tcccatgctt	180
tgtcttggtc	cctgtgagga	aaggggtcag	ctaaaggtaa	ctgttctata	aggatgggta	240
ggatcctctg	caagatattt	cctctgaaat	agtaaactgt	accttagaag	ttactgtcta	300
gggcactctc	agctgaataa	agtctcccaa	ggaaacactg	aggtagagca	gtctgcaagt	360
gcaaaagcac	accttctgca	gattccctac	aaagtggggg			400

<210> 396  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<400> 396  
 tttttttttt ttttttagag atcataaata cttttaatat cagataaatc attaagaaat 60  
 tgcattctgt acttgatgac cacacgggaa ccttgctaga gtcaagagaa cttgtcacta 120  
 gtaattatga agacaccttt acggtgagcg ttattaaaac cctactagag gttttgggtg 180  
 ggactcaaga gcaaggggtg gccacctgtg gacgagggtt ccctgttggt aacagaacac 240  
 gttgccacc tcgcaagtat gcagcccaat cagtcgccag ggtctcggtt cccgttgcg 300  
 cttcccat ggccactgcg ctcatctatg agcctagggt gatcaggcct ccgg 354

<210> 397  
 <211> 460  
 <212> DNA  
 <213> Homo sapiens

<400> 397  
 agaaaagccg gcataaagca cttttattgc aataataaaa cttgagactc ataaatggtg 60  
 ctgggggaag ggtgcagcaa cgatttctca ccaatcact acacaggaca gcaaaggggt 120  
 gagaaggggc tgaggaggga aaagccagga aactgagatc agcagaggga gccaagcatc 180  
 aaaaaacagg agatgctgaa gctgcgatga ccagcatcat tttcttaaga gaacattcaa 240  
 ggatttgatc tgatggctgg gctttcactg ggtgttaagt ctacaaacag caccttcaat 300  
 tgaaactgtc aattaaagt cttaagattt aggaagtggg ggagcttggg aagttatgag 360  
 attacaaaat tcctggaagt ccttatgaaa accccagggg tgaaaaaaaa aagggcccca 420  
 agagggctcc gaggtctctg ctgtgcccg ggcagatacc 460

<210> 398  
 <211> 404  
 <212> DNA  
 <213> Homo sapiens

<400> 398  
 tttttttttt attttcactt ttaatgatct ttactttaat aataaaatga aaaataagaa 60  
 tataggaata catacaatct atatacatat atttattgca aatacttaaa attcttatgt 120  
 aaaatgattt tctatatattg tgaaaaaata tgacttttta aatgggtgttg acaccaactt 180  
 ctctgtacat accctcaatt ccaatgttaa caattccttt aaaaaggcaa aagacacaaa 240  
 agtttagcat ttaccaaacc agtctgtaca aaccttacag ccagaaggga aaaaaatagc 300  
 ttgtggtaaa taagtcaatt ttcttttaaa ataaaaaata aaccccaaaa ctattccct 360  
 tattgcattt ttctgaaata atctgagtgt ctttagagta actt 404

<210> 399  
 <211> 435  
 <212> DNA  
 <213> Homo sapiens

<400> 399  
 ttttttgaag ggtatgtact tctatttttt attttctaca caagtgaatt cctgattaga 60  
 cattttattg agacagaaat gagtgtatat aaaggaagaa attctaaaat atttgttcat 120  
 taagcccagt gacttgaaaa taacctcaag atcaattaaa atataggaag tagaggggagc 180

cataagttgt	ggtatgagtt	taaaagacca	catcacagaa	aagaaaaaga	ttttttttaa	240
agtatcaaca	atagaaattg	ttctagaagt	ttatgcgcag	gaaaattggg	aagcccatgc	300
ttcccaattt	tcattgtgtt	ttaaaaagcc	atgcatacag	ctcttgctct	ttgattttcc	360
caaaatgaat	ctggaagcct	cgaattagca	ttaaatggaa	taatttgtaa	gtgccccctc	420
ccctcagaca	cttac					435

<210> 400  
 <211> 465  
 <212> DNA  
 <213> Homo sapiens

<400> 400	
tttttttttt	ttttagaaat
acatggtgcg	cacaatgtcc
accaatacac	actatgttgg
acactccatc	ctcactccca
tggaggagct	cttgtggaag
actaaaggaa	ccccagacag
cagctgaagt	tgggacatct
acaccagacc	ccggggtgaag
	ggcgagatca
	acctatctca
	tagcc
	60
	120
	180
	240
	300
	360
	420
	465

<210> 401  
 <211> 397  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 401	
ccagatgttg	agtgaccagc
gcggcagaca	cnagcttgtc
gctgcttggc	aaggctgttc
accgcctagc	cctgccaccc
gttctggttt	ttactttttt
agaacatttt	tgaacaattt
aaaaaaaaaa	aaaaaaaaaa
	aaaaaattaa
	aaaaaaa
	60
	120
	180
	240
	300
	360
	397

<210> 402  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens

<400> 402	
tatecaacca	tttataatct
aaatggcctc	aattcggaca
tataaaca	ataaaccgct
atgtcactta	tgtgccctga
tgttccatta	ttgtttaagt
ctgtagacaa	actctttgaa
	agtgactgaa
	ttaatgt
	60
	120
	180
	240
	300
	337

**092626**

```
<210> 404
<211> 280
<212> DNA
<213> Homo sapiens
```

```
<210> 405
<211> 467
<212> DNA
<213> Homo sapiens
```

```
<210> 406
<211> 448
<212> DNA
<213> Homo sapiens
```

414

ttccaccagc	tttaactcac	cttctgtacc	aaagggcaaa	cctaccacta	tggcttgtga	180
tggcttacaa	agaaaaactg	aagcatagcc	ttaagaaaaa	tgctgcaaga	tgtgtctatg	240
aagagcactg	cagtgagttg	ttagggcaag	gggcacatgg	ccttacatag	gctgtcccag	300
gcaatgcccc	gcctcatcct	gtaaggaagt	cggaaagtctc	cgctttggaa	actagtttagc	360
tcacactctt	ttcggggttg	ttttcttctg	ggcactccta	gttttaaatgt	tcttcttggg	420
actggctggt	ttgggagcag	gagtcctt				448

<210> 407  
 <211> 308  
 <212> DNA  
 <213> Homo sapiens

<400> 407	
tttttttttt	60
tttttttttt	120
tttttttttt	180
tttttttttt	240
tttttttttt	300
tttttttttt	360
tttttttttt	420
tttttttttt	480
tttttttttt	540
tttttttttt	600

<210> 408  
 <211> 426  
 <212> DNA  
 <213> Homo sapiens

<400> 408	
ccattttatt	60
ggctctgttg	120
gccaattctg	180
ttttccatgc	240
gtgagtatga	300
ttttactata	360
aggtgttcag	420
gagatc	480
	540
	600

<210> 409  
 <211> 1201  
 <212> DNA  
 <213> Homo sapiens

<400> 409	
agtcccagct	60
atggctctca	120
tgtctctggc	180
actccagatt	240
accagagctg	300
cgccagaagt	360
ttcccagagg	420
cggcgtcaag	480
cccagggccc	540
tggcagaatc	600



```

gggggcgccg cagagcgcggt gcgcgcaacg gggaccactg tccgctcggg cccgggcggt 660
gctgccgtct gcacacggtc cgcgcgtcgc tggaagacct gggctgggcc gattgggtgc 720
tgtcgccacg ggaggtgcaa gtgaccatgt gcacggcggc gtgcccgcgc cagttccggg 780
cggcaaacat gcacgcgcag atcaagacga gctgcaccg cctgaagccc gacacgggtgc 840
cagcgccctg ctgctgccc gccagctaca atcccattgt gctcattcaa aagaccgaca 900
ccgggggtgtc gctccagacc tatgatgact tgtagccaa agactgccac tgcatatgag 960
cagtcctggt ccttccactg tgcacctgcg cgggggaggg gacctcagtt gtcctgccct 1020
gtggaatggg ctcaagggtc ctgagacacc cgattcctgc ccaaacagct gtatttatat 1080
aagtctgtta tttattatta atttattggg gtgaccttct tggggactcg ggggctggtc 1140
tgatggaact gtgtatttat ttaaaactct ggtgataaaa ataaagctgt ctgaactgtt 1200
c 1201

```

```

<210> 410
<211> 513
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> n=a,t,g or c

```

```

<400> 410
ctagaagatt aaatgtagca agaagtggaa gagaaacaca gtttataagt catttaataa 60
ctataattgc atagaattta ctacttttcc aaatacttat tctgaatgaa taccaaattt 120
gtgaaacaaa atatattcta tgggtgcttag aatgggtgtt aaatgggtgag ttagtttnc 180
aagtaaaaaa tttacgtgca ttaacagagg ggaatgcata ataatcctat gaggtaggcc 240
ctattatcct cattgaatag aagagaaaaa gaggtcctaaa aaaattaagt aaccacaaa 300
aagtcacaca gctgtgactg tcagtgtcct gctgggcact gcaaactagg ccacttttaa 360
agtaagatca ttttaaattg agtacnccta ctacaaaatg aaccatttaa tgtgatattg 420
acaaatattc cnangccgga cttataaaag tttaggaaac caaataggat ccaatccggt 480
accccttac ctttttnaaa nggtccctt gtc 513

```

```

<210> 411
<211> 145
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> n=a,t,g or c

```

```

<400> 411
gatcccatg ctaagaaaat gcccaaaaaa ataggcaaaa cagagaaga gctagggtaa 60
gagaaggacg taaacagaac ctgacaccag ctcttttccc ttctatacat tatttaatac 120
ctattaaata aaatnathtt tgaaa 145

```

```

<210> 412
<211> 204
<212> DNA
<213> Homo sapiens

```

<400> 412  
 gttttttttt ttttttttta agtacaattt ccatttttatt tttctccaga gaaatagcct 60  
 gtcttcagtc ttttaagadct cagctcctta catkgggytt tgggtgggga cgtggggcag 120  
 caccgcagc tcctaaatcg ggggtgggggt gttcggctct tgcgggctcc acgagatcga 180  
 ttctcgacta ctttgctgtg aatt 204

<210> 413  
 <211> 608  
 <212> DNA  
 <213> Homo sapiens

<400> 413  
 accaaaaata agttatttat tgcttttaaaa aataaacatt tataatagaa taccaaattc 60  
 tatttaatct aatgtgttaa caaaagcata atatatcca gtaaacaagg acttccaact 120  
 tatcctataa ctaaaaagtc aactaaacag ttgggttttag ctagagacaa acatcagtca 180  
 ctgccaccaa attccattat ataaatttat tttgcttcac atttaaggag aaaccagca 240  
 gaggggtcgc cctgctcttc ccactagaa atgtactgaa aagtgacaag cccacagaag 300  
 gaaaggctgt ataaggaagt aggagcttca gtcaaatttc tactttcatt accctgaggg 360  
 aggtgaagga ggggtgttatt ttcatcaggt caacatggat gacagtttga tcataaaaaa 420  
 cagcccat taagatttca tttgtgaaat atgggtgagca tgatcatgcc ctaatgattt 480  
 cttaggggtt ggcagtgtct ctggtcacat gcccatactt aggggtgaaa gaaatgctaa 540  
 tactgtacce tgggtcttcc tcagatgcca cagtggctcc tgccctagga tgactaaaaa 600  
 tacggctc 608

<210> 414  
 <211> 1086  
 <212> DNA  
 <213> Homo sapiens

<400> 414  
 cgcagccgcc cgcccgcccg ctcagcgccc ggccccggga tgacggcggc ccaggccgcg 60  
 ggtgaggagg cgccaccagg cgtgcggtcc gtcaagggtg tcttggtggg cgacggcggc 120  
 tgcgggaaga cgtcgtgct gatggtcttc gccgatggg ccttccccga gagctacacc 180  
 cccacggtgt ttgagcggta catggtcaac ctgcaagtga aaggcaaacc tgtgcacctc 240  
 cacatctggg acacagcagg gcaagatgac tatgaccgcc tgcggccctt gttctaccct 300  
 gacgccagcg tcttctgct ttgcttcgat gtcaccagcc cgaacagctt tgacaacatc 360  
 ttttaaccgt ggtaccaga agtgaatcat ttctgcaaga aggtaccat catcgtcgtg 420  
 ggctgcaaga ctgacctgcg caaggacaaa tctactggtga acaagctccg aagaaacgga 480  
 ttggagcctg tgacctacca caggggccag gagatggcga ggtccgtggg cgcgggtggc 540  
 tacctcgagt gctcggctcg gctccatgac aacgtccacg ccgtcttcca ggaggecgcc 600  
 gaggtggccc tcagcagccg cggctcgcaac ttctggcggc ggattacca gggcttttgc 660  
 gtggtgacct gagcggctcg gggcgctcca gcgacgcggg aaggggcagg gcgctgacct 720  
 gctgctgagc tggttgggct ggaccgggtc cctaggtgtg gaccgcccga ctccactgca 780  
 acagacgggc gccaccaaag ccaggccctg aggcctggga gtccctggact gagaaagggg 840  
 gttcctgggc ccacctgtc tgtgtagggc tegtctcggt gtgcccagga atcactcgct 900  
 aacccctatg cccggctccg gaccgacatc ctggagcggc ctgtgcagcc tgatgcccc 960  
 tcgtggctgc tcccagggt gcacctgcca ggacctaatg ttcttaggtc cctctggcca 1020  
 gaaccacac ccggccctt cccacctgtc atactggtaa ctgtaacaag aaaaacgaca 1080  
 tcactt 1086

<210> 415

<211> 1885  
 <212> DNA  
 <213> Homo sapiens

<400> 415  
 cgggcactca ccgtgtgtag ttggcatctc cgcgcgtccg gacacccgat cccagcatcc 60  
 ctgcctgcag gactgttcgt gttcagctcg cgtcctgcag ctgtccgagg tgctccagtt 120  
 ggaggctgag gttcccgggc tctgtcgtcg agtgggcggc ggcaccggcg gagatgcctg 180  
 ggaagaaggc gcgcaagaac gctcaaccga gccccgcgcg ggctccagca gagctggaag 240  
 tcgagtgtgc tactcaactc aggagatttg gagacaaact gaacttccgg cagaaacttc 300  
 tgaatctgat atccaaactc ttctgtcag gaacctgact gcatcaaaaa cttgcatgag 360  
 gggactcctt caaaagagtt ttctcaggag gtgcacggtt catcaatttg aagaaagact 420  
 gcattgtaat tgagaggaat gtgaagggtc attcatgggt gcccttggaa acggaagatg 480  
 gaatacatca aagtgaattt ctgttcaagt ttcccagat tatcattctt tgggatgaga 540  
 gaacattata aaaccacttt gtttatttta aagcaagaat ggaagacctt tgaaaataaa 600  
 gaagtaataa ttgacacatt tcttttttac ttagagaatc gttctagtgt ttttgccgaa 660  
 gattaccgct ggcctactgt gaaggtagat gacctgtgat tagactgggc ggctggggag 720  
 aaacagttca gtgcattggt gttgttgctg tttttgggtg tttgcttttc agtgccaact 780  
 cagcacattg tatatgattc ggtttatata tattaccttg ttataatgaa aaaactcatt 840  
 ctgagaacac tgaaatgtta tactcagtgt tgatttcttc ggtcactaca caacgtaaaa 900  
 tcatttgttt cttttgactc aaattgtatt gcttctgttc agatgatctt tcattcaatg 960  
 tgttcctggt gggcgttact agaaactatg gaaaactgga aaataacttt gaaaaaattg 1020  
 gataaagtat aggaggggta cttggggcca gtaaactcagt agactgaaca ttcaatataa 1080  
 taaaagaaca tggggatttt gtataaccag ggataataaa aagaaaaaga agttaatttt 1140  
 taattgatgt ttttgaaact tagtagaaca aatattcaga agtaacttga taagatatga 1200  
 atgtttctaa agagtttcta aagggttcgaa atgtccttg tcacattagt gtgcatccta 1260  
 caaaaagtga tctcttaatg taaattaaga atattttcat aattggaata tacttttctt 1320  
 aaaaaaaagg aacagttagt tctcatctag aatgaaagtt ccatatatgc attggtgaat 1380  
 atatatgtat acacatactt acatacttat atgggtatct gtatagataa tttgtattag 1440  
 agtattatat agcttcttag tagggctca agtaagttca ttttttttat ctgggctata 1500  
 tacagtcctc aaataaataa tgtcttgatt ttatttcagc aggaataatt ttatttattt 1560  
 tgcctattta taattaaagt atttttcttt agtttgaaat gtgtattaaa gttacatttt 1620  
 tgagttacaa gagtcttata actacttgaa tttttagtta aaatgtctta atgtagggtg 1680  
 tagtcacttt agatggaaaa ttacctcaca tctgttttct tcagtattac ttaagattgt 1740  
 ttatttagtg gtagagagat ttttttttcc agcctagagg cagctatttt accatctggt 1800  
 atttatggtc taatttgat tttaacatat gcacacatat aaaagttgat actgtggcag 1860  
 taaactatta aaagttttca ctggt 1885

<210> 416  
 <211> 251  
 <212> DNA  
 <213> Homo sapiens

<400> 416  
 aacagcttaa gaccgaggtt ttttttttct ttcacgggac agtgtaatgc aagccaggaa 60  
 actccttagt agcttttctc taacagcagc tcacagatcc aggcagcttc catcttgcaa 120  
 cttegccatc tcggtgtttc ccttccagtc acagtgatga taaagagagt aaagagaact 180  
 cacaaactgt tcccaactgc cttagaccaa agcgacacct gtcacttctg ttcacagccc 240  
 atcaaccagt c 251

<210> 417  
 <211> 245

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 417  
ctataaatct ctaatgttat ttaggttttt taaggttttg gaagtaacag agggatacat 60  
acagcaagat ccacttacat agtttttaaaa catgcaaaac aagattatat atcgtccata 120  
tgtaattata tctgtggtta aatataaaga tatgcatttt ggggacatag tcaccagatt 180  
attagtagct caaggaaagg caggnggaag agtgctctgg gtggggggag gttcacaggg 240  
tgctt 245

<210> 418  
<211> 268  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 418  
gctttccaaa gttttatttt ttnatttgta cctgccttgt tccagaaaac attgaagggtg 60  
gcttcccaaa gtctaactag ggataccccc tctagcctag gaccctcctc cccacacctc 120  
aatccaccaa accatccata atgcacccag ataggccac ccccaaaagc ctggacacct 180  
tgagcacaca gttatgacca ggacagactc atctctatag gcaaatagct gctggcaaac 240  
tggcattacc tggtttgtgg ggatgggg 268

<210> 419  
<211> 277  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 419  
aatcgttata acagttttat tcaagtctct gtgtgctctg gcattgagac caggctgaga 60  
tcagcattac actgtaatac aataagaggt ttagccattg aaccaagcct gcttggcatc 120  
cctagttaac aatttacagt acctcgaaag aaaaaaaaaa aaagccaaag gaaagancct 180  
ggtaagtttc cttcaggact ttttcattct taaatattgt tgacaacata caataactta 240  
aatcccaaag caaagtggga attcaaggac acgggggt 277

<210> 420  
<211> 399  
<212> DNA  
<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 420  
 tcaaaatatt tattgaaaa caatttacca tgacattcct ataccacaaa cataccactg 60  
 gattctaaat aaccaataaa agtatacaaa gcctatcctg aaaatatctt tggnggtatt 120  
 aaatatatag gcccatgagg atagagctga gtaacttaaa aatgttagtc cttgggtcac 180  
 aangactatt tgggnaatta ntaangangn gcctcttgac attaggactg canttaactg 240  
 aggggtgggg ggggcatcca tataggtcac tccgggggtt atgggagggg ttcttctact 300  
 attagggnct tttcgcttcg aggcgaggcc tcggtgcccg aattcttggg cctcgagggg 360  
 cccaaattcc cnataggtga ggtcgtattt aaattccgg 399

<210> 421  
 <211> 433  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 421  
 tttttttttt gagtaaaagt gatcgtcatt tgagagttat ttggctgctt tgggcttcaa 60  
 ggctggagaa gcaggaatg gcacagtatc tctactcactg ttcttctctgc cctgggggttg 120  
 gcagcaccac cagaatgcc agaccactga gttggaattg tcttcccaga tttccaactc 180  
 aggtaaaaga acaaaagcca acaggaacca atgggctaag gagggagcaa catgtaaaac 240  
 agtgggtnta aaagaagaaa tgcaacgtaa ggagggggcag gagagaagtc aaggataatg 300  
 ggagccgagt ggggtggccag gaaatntgag tagctctgtg ctgactagcc ttcagtgtta 360  
 aaacaaattt aaggggaagc agcattatga ggtctcaagg tantgggagc cacctgnaaa 420  
 cggggggttaa aag 433

<210> 422  
 <211> 446  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 422  
 tttttttttg gagcaaggaa agggacttta tttcggagag ccagcaaacc aagaagatgg 60  
 tggactaatg tcctaaagaa ccgtcttaaa attatgcggg ctttgcttgt cttttatggt 120  
 taggtcgggg gaaaggaagg ggctgacaac cgcagacatc tggacaccag caagggtcca 180  
 ggggaggttt gcagaacttc tttgtccttg gctaacagtc tgtcatgtga caatagccaa 240  
 acctcctcat tcctataaac ctttaacaaa aacagttagg ctgtttacat ggcttcccct 300  
 ttaatcccag agttagtttt gcaaacgggc atgattcctg tttttgcgtt ttatctcagt 360  
 ggctcttaaa gttattccta ggcctagggg gcaggganta gggtaaaggg ccccttaaaa 420  
 taacaaatgg gagttagtta tgttta 446

0983380-0600501

```

<400> 423
aggaagaaag aaaaattttt attacaagga aagaaaagga gacggccagt ctgagaccct    60
tctgcgttca gagagacggc agagattcgc catgcaggat gaaattaagg tcagagagcc    120
gtttacgcta tgctcgggct ccccgggctc ttcctccctc tacggctggc cggcattgct    180
ggtgcgattc ggaagaacga gctgcagnag tcgctcccgg ccgaggggaag ggaccggggg    240
cggcgcgggg                                     249

```

```
<220>
<221> misc_feature
<223> n=a,t,g or c
```

```

<400> 424
nngtantttac caattgtatt tattgctaga aacttttaaac ttttttaaaaa agttttttgaa      60
tggtagataa  catagaaaaa gacatccata aaggtaggaa gcaatctcat catttacaaa      120
gtgctgcaaa  tttgataaat ttatgttgct gat                                153

```

```
<220>
<221> misc_feature
<223> n=a,t,g or c
```

<400>	425						
ggatctgtgc	caaggttttac	agcagatatt	aaaactcttc	gatgtctcac	tgctgttggt		60
cagtcactct	ctgacttata	agaatttaga	ggtcagattt	ccccacatat	ttgaaccctt		120
attctgggtc	cagtcctgtc	ttcacttcca	caactgctgt	gttcccacag	ggagtggatc		180
ttctgggagc	catttgtaag	atagttcaat	ctgaattttt	aacgagatgg	tacttctctt		240
gggcccacac	gacacctgct	tctcccggga	tcgtatttct	cgactatttg	cgtttcggga		300
ccggcctgcc	cctcctcttt	ccgctctgct	ccagggaaaa	gcgagccctc	ggaaggaacc		360
tgggggcagc	cccagaaagc	agtgcccatc	aatttccagc	tncatccacc	caggcaggcc		420
catcaatqga	cctaaatatg	gtgtctgntt	ccanccagtn	ctggccgg			468

421

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 426  
ngaggacacc actcaccaca gatagccaca tggggggtgc actatgcata agagagagca 60  
accagggact gtggtatgta agcttttctg aatcaagaag gtgtgatagc ccctgattcc 120  
cttgaaagga tgcaactggc ttgtttttaa tttttgagac aggggtctcg tctgtcactc 180  
ctgctggagc gtagtgntgc aattacagct cactgcagcc tgaactttcc aggtttcagg 240  
gatcctccta cctcagcctc ccgagtgggc tggggaccat aggtgtgcga caccacaccc 300  
agctgtaact gggcttggtt gaattaactc tgtgtgtagg aaatgaaatt caaacttgct 360  
acaaataaat taataaacag ggactctggc ttagt 395

<210> 427  
<211> 415  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 427  
gganttatgg tacagtgcac cttgtattaa ctccacggcc atgagacaat gcaaagaaca 60  
caaaactttt caacaatata aacaccatat atcttcaaaa tattgtgaga aaagtaaatt 120  
ttgatgggct aaaaaaaca atatatatcat aaaggcacat gtaaccagaa ttctaccaa 180  
aaaaaaaaatt atcttaagtg gaggaatttt tcttgctcta caactaaatg aaactgccct 240  
aatctgaaag acaaataggc cctgtgaaaa tctacacctc tggcttttcc cataanggta 300  
cttccttatt tatataagggt nttgtanttt actttaanat cataacagac tantccaact 360  
cacttggtgc tcaggggggt tggcacaagg ggncccttnt ttggggccanc tcttc 415

<210> 428  
<211> 272  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 428  
atcatttatt caaggcattt ttatataatc ttgcaatcat agtatagatg tataataaaa 60  
gaatatgaga atgcaaagag gaacataaag ccaatgtctg agcattttaa ataagagttc 120  
ttcaaaaaag ttacacgtct tacaataaac attcctgaaa aatttgggag aagctaaaac 180  
ttcactaaaa acctaacacc aaatgacatg tnacttagtt tatagcaagc agttttatat 240  
naattaaatg tntatanacc acaagcnaag at 272

<210> 429

<211> 5416  
 <212> DNA  
 <213> Homo sapiens

<400> 429

gtgtcccata	gtgtttccaa	acttggaaa	ggcgggggag	ggcgggagga	tgcggagggc	60
ggaggtatgc	agacaacgag	tcagagtttc	cccttgaaag	cctcaaaagt	gtccacgtcc	120
tcaaaaagaa	tgaaccaat	ttaagaagcc	agcccgtgg	ccacgtccct	tccccattc	180
gggcccctct	ctgcgcccc	gcaggctcct	cccagctgtg	gctgcccggg	ccccagccc	240
cagccctccc	attggtggag	gcccttttgg	aggcacccta	gggccaggga	aacttttgcc	300
gtataaatag	ggcagatccg	ggatttggtt	ttttagcacc	acggcagcag	gaggtttcgg	360
ctaagtggga	ggtactggcc	acgactgcat	gcccgcgccc	gccatgtgat	acctccgccg	420
gtgaccagg	gctctgcgac	acaaggagtc	gcatgtctaa	gtgctagaca	tgctcagctt	480
tgtggatacg	cggaatttgt	tgtgtcttgc	agtaacctta	tgcctagcaa	catgccaatc	540
tttacaagag	gaaactgtaa	gaaagggccc	agccggagat	agaggaccac	gtggagaaa	600
gggtccacca	ggccccccag	gcagagatgg	tgaagatggg	cccacaggcc	ctcctgggtcc	660
acctgggtcct	cctggccccc	ctgggtctcg	tgggaacttt	gctgctcagt	atgatggaaa	720
aggagtggga	cttggccctg	gaccaatggg	cttaatggga	cctagaggcc	cacctgggtgc	780
agctggagcc	ccaggccctc	aagggtttcca	aggacctgct	ggtgagcctg	gtgaacctgg	840
tcaaaactggt	cctgcagggtg	ctcgtgggtcc	agctggccct	cctggcaagg	ctggtgaaga	900
tggtcaccct	ggaaaacccg	gacgacctgg	tgagagagga	gttgttggac	cacaggggtgc	960
tcgtgggttcc	cctggaactc	ctggacttcc	tggcttcaaa	ggcattaggg	gacacaatgg	1020
tctggatgga	ttgaagggac	agcccgggtgc	tccgtggtgtg	aagggtgaac	ctggtgcccc	1080
tggtgaaaat	ggaactccag	gtcaaacagg	agcccgtggt	cttcctggtg	agagaggacg	1140
tgttggtgccc	cctgggtccag	ctgggtgccc	tggaaagtgtg	ggaagtgtgg	gtcccgtagg	1200
tccgtgctggt	cctaattgggt	ctgctggccc	tccaggtttc	ccagggtgcc	ctggtcccaa	1260
gggtgaaatt	ggagctggtg	gtaacgctgg	tccactgga	cccgcgggtc	cccgtggtga	1320
agtgggtcct	ccaggccctc	ccggccccct	tggacctcct	ggtaatcctg	gagcaaaccg	1380
ccttactggt	gccaagggtg	ctgctggcct	tcccggcggt	gctggggctc	ccggcctccc	1440
tggaccccgc	ggtattcctg	gccctccctg	tgctgccggt	actactggtg	ccagaggact	1500
tgttggtgag	cctgggtccag	ctgggtccaa	aggagagagc	ggtaacaagg	gtgagcccgg	1560
ctccgctggt	ccccaaaggtc	ctcctggtcc	cagtgggtgaa	gaaggaaaaga	gaggccctaa	1620
tggggaagct	ggatctgccg	gccctccagg	acctcctggg	ctgagaggta	gtcctggttc	1680
tcgtggtcct	cctggagctg	atggcagagc	tggcgtcatg	ggccctcctg	gtagtctgtg	1740
tgcaagtggc	cctgctggag	tccgaggacc	taatggagat	gctgggtcgcc	ctggggagcc	1800
tgggtctcatg	ggaccacagag	gtcttcctgg	ttccctgga	aatatcggcc	ccgctggaaa	1860
agaaggtcct	gtcggcctcc	ctggcatcga	cggcaggcct	ggcccaattg	gccccgttgg	1920
agcaagagga	gagcctggca	acattggatt	ccctggaccc	aaaggcccca	ctggtgaccc	1980
tggcaaaaac	ggtgataaag	gtcatgctgg	tcttgctggt	gctcgggggtg	ctccaggtcc	2040
tgatggaaaac	aatggtgctc	agggacctcc	tggaccacag	ggtgttcaag	gtggaaaagg	2100
tgaacagggg	cccgtggtgc	ctccaggctt	ccagggtctg	cctggccccct	caggtcccgc	2160
tgggtgaagt	ggcaaaccag	gagaaaaggg	tctccatggt	gagtttgggtc	tccctggtcc	2220
tgctgggtcca	agaggggaac	gcgggtcccc	aggtgagagt	ggtgctgccg	gtcctactgg	2280
tcctattgga	agccgaggtc	cttctggacc	cccagggcct	gatggaaaca	aggggtgaacc	2340
tgggtgtggt	ggtgctgtgg	gcactgctgg	tccatctggt	cctagtggac	tcccaggaga	2400
gaggggtgct	gctggcatac	ctggaggcaa	gggagaaaag	ggtgaacctg	gtctcagagg	2460
tgaattgggt	aaccctggca	gagatggtgc	tcgtggtgct	catggtgctg	taggtgcccc	2520
tgggtcctgct	ggagccacag	gtgaccgggg	cgaagctggg	gctgctgggtc	ctgctggtcc	2580
tgctgggtcct	cggggaagcc	ctgggtgaacg	tggcgagggtc	ggtcctgctg	gccccaacgg	2640
atgtgctggt	ccggctgggtg	ctgctggtca	accgggtgct	aaaggagaaa	gaggaggcaa	2700
agggcctaag	ggtgaaaacg	gtgttggtgg	tcccacaggc	cccgttggag	ctgctggccc	2760
agctgggtcca	aatggtcccc	ccgggtcctgc	tggaaagtcgt	ggtgatggag	gccccctggg	2820
tatgactggt	ttccctgggtg	ctgctggacg	gactggtccc	ccaggaccct	ctggtatttc	2880
tggccctcct	ggtccccctg	gtcctgctgg	gaaagaaggg	cttcgtgggtc	ctcgtggtga	2940



ccaaggtcca	gttggccgaa	ctggagaagt	aggtgcagtt	ggccccctg	gcttcgctgg	3000
tgagaagggt	ccctctggag	aggctggtag	tgctggacct	cctggcactc	caggtcctca	3060
gggtcttctt	ggtgctcctg	gtattctggg	tctccctggc	tcgagagggt	aacgtgggtct	3120
acctgggtgt	gctgggtgct	tgggtgaacc	tggtcctctt	ggcattgccg	gccccctgg	3180
ggcccgtggt	cctcctgggt	ctgtgggtag	tcctggagtc	aacggtgctc	ctgggtgaagc	3240
tggtcgtgat	ggcaaccctg	ggaacgatgg	ccccccaggt	cgcgatgggt	aaccgcgaca	3300
caagggagag	cgcggttacc	ctggcaatat	tggtcccgtt	ggtgctgcag	gtgcacctgg	3360
tcctcatggc	cccgtgggtc	ctgctggcaa	acatggaaac	cgtggtgaaa	ctggtccttc	3420
tggtcctggt	ggtcctgctg	gtgctggtgg	cccaagaggt	cctagtggcc	cacaaggcat	3480
tcgtggcgat	aagggagagc	ccggtgaaaa	ggggcccaga	ggtcttcctg	gcttcaaggg	3540
acacaatgga	ttgcaagggt	tgccctggat	cgtgggtcac	catgggtgat	aaggtgctcc	3600
tggtccgctg	ggtcctgctg	gtcctagggg	ccctgctggt	ccttctggcc	ctgctggaaa	3660
agatggctgc	actggacatc	ctggtacggg	tggacctgct	ggcattcgag	gccccaggg	3720
tcaccaaggc	cctgctggcc	ccccctggcc	ccctggccct	cctggacctc	caggtgtaag	3780
cgggtggtggt	tatgactttg	gttacgatgg	agacttctac	agggtcgacc	agcctcgctc	3840
agcaccttct	ctcagaccga	aggactatga	agttgatgct	actctgaagt	ctctcaacaa	3900
ccagattgag	acccttctta	ctcctgaagg	ctctagaaag	aaccagctc	gcacatgccg	3960
tgacttgaga	ctcagccacc	cagagtggag	cagcggttac	tactggattg	acccaacca	4020
aggatgcact	atggaagcca	tcaaagtata	ctgtgatctt	cctaccggcg	aaacctgtat	4080
ccggggcccaa	cctgaaaaca	tcccagccaa	gaactgggat	aggagctcca	aggacaagaa	4140
acacgtctgg	ctaggagaaa	ctatcaatgc	tggcagccag	tttgaatata	atggtgaagg	4200
agtgacttcc	aaggaaatgg	ctaccaact	tgccttcctg	cgcctgctgg	ccaactatgc	4260
ctctcagaac	atcacctacc	actgcaagaa	cagcattgca	tacatggatg	aggagactgg	4320
caacctgaaa	aaggctgtca	ttctacaggg	ctctaagtat	gttgaacttg	ttgctgaggg	4380
caacagcagg	ttcacttaca	ctgttcttgt	agatggctgc	tctaataaga	caaatgaatg	4440
gggaaagaca	atcattgaat	acaaaacaaa	taagccatca	cgcctgcctt	tccttgatat	4500
tgcacctttg	gacatcgggt	gtgctgacca	tgaattcttt	gtggacattg	gcccagctct	4560
tttcaaataa	atgaactcaa	tctaataata	aaaagaaaga	aatttgaaaa	aactttctct	4620
ttgccatttc	ttcttcttct	tttttaactg	aaagctgaat	ccttccattt	cttctgcaca	4680
tctacttgct	taaatttggt	gcaaaagaga	aaaagaagga	ttgatcagag	cattgtgcaa	4740
tacagtttca	ttaaactcct	ccccgcctcc	cccaaaaatt	tgaatttttt	tttcaacact	4800
cttacacctg	ttatggaaaa	tgtcaacctt	tgtaaagaaa	ccaaaataaa	aattgaaaaa	4860
taaaaacccat	aaacatttgc	accacttggt	gcttttgaat	atcttccaca	gaggggaagtt	4920
taaaacccaa	acttccaaag	gtttaaacta	cctcaaaaca	ctttcccatg	agtgtgatcc	4980
acattgttag	gtgctgacct	agacagagat	gaactgaggt	ccttgttttg	ttttgttcat	5040
aatacaaagg	tgctaattaa	tagtatattca	gatacttgaa	gaatgttgat	gggtgctagaa	5100
gaatttgaga	agaaatactc	ctgtatttag	ttgtatcgtg	tggtgtattt	tttaaaaaat	5160
ttgatttagc	attcatattt	tccatcttat	tcccaattaa	aagtatgcag	attatttgcc	5220
caaagtgtgc	ctcttcttca	gattcagcat	ttgttctttg	ccagtctcat	tttcatcttc	5280
ttccatgggt	ccacagaagc	tttgtttctt	gggcaagcag	aaaaattaaa	ttgtacctat	5340
tttgtatatg	tgagatgttt	aaataaattg	tgaaaaaaat	gaaataaagc	atgtttgggt	5400
ttccaaaaga	acatat					5416

<210> 430

<211> 5508

<212> DNA

<213> Homo sapiens

<400> 430

gatttttaggt	gatgggcaag	tcagaaagtc	agatggatat	aactgatatc	aacactccaa	60
agccaaagaa	gaaacagcga	tggactcgac	tggagatcag	cctctcggtc	cttgtcctgc	120
tcctcaccat	catagctgtg	agaatgatcg	cactctatgc	aacctacgat	gatgggtattt	180
gcaagtcatc	agactgcata	aaatcagctg	ctcgactgat	ccaaaacatg	gatgccacca	240

ctgagccttg	tacgagacttt	ttcaaatatg	cttgcgagg	ctgggtgaaa	cgtaatgtca	300
tccccgagac	cagctcccgt	tacggcaact	ttgacatttt	aagagatgaa	ctagaagtcg	360
ttttgaaaga	tgctcttcaa	gaacccaaaa	ctgaagatat	agtagcagtg	cagaaagcaa	420
aagcattgta	caggtcttgt	ataaatgaat	ctgctattga	tagcagaggt	ggagaacctc	480
tactcaaact	gttaccagac	atatatgggt	ggccagtagc	aacagaaaac	tgggagcaaa	540
aatatggtgc	ttcttgga	gctgaaaaag	ctattgcaca	actgaattct	aaatatggga	600
aaaaagtcct	tattaatttg	tttgttggca	ctgatgataa	gaattctgtg	aatcatgtaa	660
ttcatattga	ccaacctcga	cttggcctcc	cttctagaga	ttactatgaa	tgcactggaa	720
tctataaaga	ggcttgtaca	gcatatgtgg	attttatgat	ttctgtggcc	agattgattc	780
gtcaggaaga	aagattgccc	atcgatgaaa	accagcttgc	tttggaatg	aataaagtta	840
tggaattgga	aaaagaaatt	gccaatgcta	cggctaaacc	tgaagatcga	aatgatccaa	900
tgcttctgta	taacaagatg	agattggccc	agatccaaaa	taacttttca	ctagagatca	960
atgggaagcc	attcagctgg	ttgaatttca	caaataaagt	catgtcaact	gtgaatatta	1020
gtattacaaa	tgaggaagat	gtggttgttt	atgctccaga	atatttaacc	aaacttaagc	1080
ccattcttac	caaataattct	gccagagatc	ttcaaaattt	aatgtcctgg	agattcataa	1140
tggatcttgt	aagcagcctc	agccgaacct	acaaggagtc	cagaaatgct	ttccgcaagg	1200
cccttttatg	tacaacctca	gaaacagcaa	cttggaagc	ttgtgcaaac	tatgtcaatg	1260
ggaatatgga	aaatgctgtg	gggaggcttt	atgtggaagc	agcatttgct	ggagagagta	1320
aacatgtggt	cgaggatttg	attgcacaga	tccgagaagt	ttttattcag	actttagatg	1380
acctcacttg	gatggatgcc	gagacaaaaa	agagagctga	agaaaaggcc	ttagcaatta	1440
aagaaaggat	cggctatcct	gatgacattg	tttcaaatga	taacaaactg	aataatgagt	1500
acctcgagtt	gaactacaaa	gaagatgaat	acttcgagaa	cataattcaa	aatttgaaat	1560
tcagccaaag	taaacaactg	aagaagctcc	gagaaaaggt	ggacaaagat	gagtggataa	1620
gtggagcagc	tgtagtcaat	gcattttact	cttcaggaag	aaatcagata	gtcttcccag	1680
ccggcattct	gcagccccc	ttcttttagtg	cccagcagtc	caactcattg	aactatgggg	1740
gcacggcat	ggtcatagga	cacgaaatca	cccatggctt	cgatgacaat	ggcagaaaact	1800
ttaacaaaga	tggagacctc	gttgactggt	ggactcaaca	gtctgcaagt	aactttaagg	1860
agcaatccca	gtgcatggtg	tatcagtatg	gaaacttttc	ctgggacctg	gcagggtggac	1920
agcaccttaa	tggaaattaat	acactgggag	aaaacattgc	tgataatgga	ggtcttggtc	1980
aagcatacag	agcctatcag	aattatatta	aaaagaatgg	cgaagaaaaa	ttacttcctg	2040
gacttgacct	aaatcacaaa	caactatttt	tcttgaaactt	tgcacaggtg	tgggtgtggaa	2100
cctataggcc	agagtatgcg	gttaactcca	ttaaaacaga	tgtgcacagt	ccaggcaatt	2160
tcaggattat	tgggactttg	cagaactctg	cagagttttc	agaagccttt	cactgccgca	2220
agaattcata	catgaatcca	gaaaagaagt	gccgggtttg	gtgatcttca	aaagaagcat	2280
tgcagccctt	ggctagactt	gccaacacca	cagaaatggg	gaattctcta	atcgaaagaa	2340
aatgggccct	aggggtcact	gtactgactt	gagggtgatt	aacagagagg	gcaccatcac	2400
aatacagata	acattaggtt	gtcctagaaa	gggtgtggag	ggaggaaggg	ggtctaaggt	2460
ctatcaagtc	aatcattttc	cactgtgtac	ataatgctta	attttctaaag	ataatattac	2520
tgtttatttc	tgtttctcat	atggtctacc	agtttgctga	tgtccctaga	aaacaatgca	2580
aaacctttga	ggttagaccag	gatttcta	caaaagggaa	aagaagatgt	tgaagaatag	2640
agtttaggcac	cagaagaaga	gtaggtgaca	ctatagttta	aaacacattg	cctaactact	2700
agtttttact	tttatttgca	acatttacag	tccttcaaaa	tccttccaaa	gaattcttat	2760
acacattggg	gccttgga	ttacatagtt	ttaaactcat	ttttgccata	catcagttat	2820
tcattctgtg	atcattttat	ttaagcactc	ttaaagcaaa	aatgaatgt	ctaaaattgt	2880
tttttgttgt	acctgctttg	actgatgctg	agattcttca	ggcttctctg	aattttctaa	2940
gcaattttct	gctctatctc	tcaaaacttg	gtatttttca	gagatttata	taaatgtaaa	3000
aataataatt	tttatattta	attattaact	acatttatga	gtaaactatta	ttataggtaa	3060
tcaatgaata	ttgaagtttc	agcttaaaat	aaacagttgt	gaaccaagat	ctataaagcg	3120
atatacagat	gaaaatttga	gactatttaa	acttataaat	catattgatg	aaaagattta	3180
agcacaaaact	ttagggtaaa	aattgcgatt	ggacagttgt	ctagagatat	atatacttgt	3240
ggttttcaaa	ttggactttc	aaaattaaat	ctgtccctga	gagtgtctct	gataaaagg	3300
caaacttgca	cctatgtagc	tctgcatctc	ctgtcttttc	aggtttgtca	tcagatggaa	3360
atattttgat	aataaattga	aattgtgaac	tcattgtctc	ctaagactgt	gacaactgtc	3420
taactttaga	agtgcatttc	tgaatagaaa	tgggaggcct	ctgatggacc	ttctagaatt	3480

ataagtcaca	aagagttctg	gaaaagaact	gtttactgct	tgataggaat	tcattctttg	3540
aggettctgt	tcctctcttt	tcctgttgta	ttgactatgt	tcgttcatta	cttgattaag	3600
attttacaaa	agaggagcac	ttccaaaatt	cttatttttc	ctaacaaaag	atgaaagcag	3660
ggaatttcta	tctaaatgat	gagtattagt	tcctgtcttc	ttgaaaaatg	cccatttgcc	3720
tttaaaaaaa	aaagttacag	aaatactata	acatatgtac	ataaattgca	taaagcataa	3780
gtatacagtt	caataaaact	aactttaact	gaacaatggc	cctgtagcca	gcacctgtaa	3840
gaaacagagc	agtaccagcg	ctctaaaagc	acctccttgt	cactttatta	ctcccagaac	3900
aacaactatc	ctgacttcta	atatcattca	ctagctttgc	ctgggtttgt	cttttatgca	3960
gatagaatca	atcagtatgt	attcttttgt	gcctggcttc	tttctctcag	cccttatctt	4020
gtgagattcc	tctgtattgt	gctgattgtg	gatcttttca	ttctcattgc	agaataatgt	4080
tctattgtgg	gacttattac	aatttgttca	tcctattgtt	gatgggact	tgagaacttt	4140
ccattttggc	gctattacaa	atagtgaac	tatgaatgta	ctgcatgtta	ccattctact	4200
tgagccttta	atggacttat	ttcttcaaat	ccttccaaaa	attattataa	gcattgaaat	4260
tatagtttca	agccaactgt	ggataccctt	accttttcc	cctttatcac	aaccaccgtt	4320
acaagtatac	ttatatattcc	ctaaaataca	tttaaaactt	acctaagtga	cattttagtg	4380
tggagtaata	ggagcttcca	gctctaataa	aacagctgtc	tctaacttat	tttatttcca	4440
tcatgtcaga	gcaggtgaag	agccagaagt	gaagagtgc	tagtacaagt	tataaaaagc	4500
cactagactc	ttcactgtta	gcttttttaa	acattaggct	cccatcccta	tggagggaaca	4560
actctccagt	gcctggatcc	cctctgtcta	caaatataag	atcttctggg	cctaaaggat	4620
agatcaaagt	caaaaatagc	aatgcctccc	tatccctcac	acatccagac	atcatgaatt	4680
ttacatggta	ctcttggtga	gttctataga	gccttctgat	gtctctaaag	cactaccgat	4740
tctttggagt	tgtcacatca	gataagacat	atctctaatt	ccatccataa	atccagtctt	4800
actatggctg	agttctggtc	aaagaaagaa	agtttagaag	ctgagacaca	aagggttggg	4860
agctgatgaa	actcacaagt	gatggttaga	agaagctctc	gacaataccc	gttggcaagg	4920
agtctgcctc	catgctgcag	tgttcgagtg	gattgtaggt	gcaagatgga	aaggattgta	4980
ggtgcaagct	gtccagagaa	aagagtcctt	gttccagccc	tattctgcca	ctcctgacag	5040
ggtgaccttg	ggtatttgca	atattccttt	gggctctgct	ttctctcacc	taaaaaaaga	5100
gaattagatt	atattgggtg	ttctcagcaa	gagaaggagt	atgtgtccaa	tgctgccttc	5160
ccatgaatct	gtctcccagt	tatgaatcag	tgggcaggat	aaactgaaaa	ctccatttta	5220
agtgtctgaa	tgcagtgaga	caaaatttta	gtccaaataa	caagtaccaa	agttttatca	5280
agtttgggtc	tgtgctgctg	ttactgttaa	cattttaagt	ggggcaaaac	cttgctaatt	5340
ttctcaaaag	catttatcat	tcttgttgcc	acagctggag	ctctcaaact	aaaagacatt	5400
tgttattttg	gaaagaagaa	agactctatt	ctcaaagttt	cctaatacaga	aatttttatc	5460
agtttccagt	ctcaaaaata	caaaataaaa	acaaacgttt	ttaatact		5508

<210> 431

<211> 2259

<212> DNA

<213> Homo sapiens

<400> 431

gttctccctt	tcccggtttt	cggtccggag	gaggcgggag	cagcttccct	gttctgatcc	60
tatcgcgggc	ggcgagggc	cggtctggcc	ttcgtggga	cggggagggg	ggcgggatgt	120
gtcacccaaa	taccagtggg	gacggtcggt	ggtggaacca	gccgggcagg	tgggtagag	180
tataagagcc	ggaggagcgg	gccgggcggc	agacgcctgc	agaccatccc	agacgcggga	240
gcccagagcc	cgccgagtc	ccgcgcctca	tccgcccgcg	tccggtccgc	gttctccgc	300
cccaccatgg	ctcggggccc	cggtctcgcg	ccgccaccgc	tgggctgccc	gctgctgctg	360
ctgggtgctg	cggcggtgac	cgccacacag	gccgcgcagg	acaactgcac	gtgtcccacc	420
aacaagatga	ccgtgtgcag	ccccgacggc	cccggcgggc	gctgccagt	ccgcgcgctg	480
ggctcgggca	tggcggtcga	ctgtccacag	ctgacctcca	agtgtctgct	gctcaaggcg	540
cgcatgagcg	cccccaagaa	cgccgcacag	ctggtgcggc	cgagtgcgca	cgcgctcgctg	600
gacaacgatg	gcctctacga	ccccgactgc	gaccccgagg	gccgcttcaa	ggcgcgccag	660
tgcaaccaga	cgtcggtgtg	ctgggtgcgtg	aactcggtgg	gcgtgcgccc	cacggacaag	720

ggcgacctga	gcctacgctg	cgatgacctg	gtgcgacccc	accacatcct	cattgacctg	780
cgccaccgcc	ccaccgccgg	cgcttccaac	cactcagacc	tggacgccga	gctgaggcgg	840
ctcttcgcgg	agcgcctatcg	gctgcacccc	aagtctcgctg	cggccgtgca	ctacgagcag	900
cccaccatcc	agatcgagct	gcggcagaac	acgtctcaga	aggccgccgg	tgaagtggat	960
atcgggcgatg	ccgcctacta	cttcgagagg	gacatcaagg	gcgagctctct	attccagggc	1020
cgcggcgggcc	tggacttgcg	cgtgcgcgga	gaacccctgc	aggtggagcg	cacgctcatc	1080
tattacctgg	acgagattcc	cccgaagtcc	tccatgaagc	gcctcacgcg	cggcctcatc	1140
gccgtcatcg	tgggtggtcgt	ggtggccctc	gtcgccggca	tggccgtcct	ggtgatcacc	1200
aaccggagaa	agtcggggaa	gtacaagaag	gtggagatca	aggaactggg	ggagttgaga	1260
aaggaaccga	gcttgtaggt	acccggcggg	gcaggggatg	gggtggggta	ccggatttcg	1320
gtatcgctcc	agacccaagt	gagtcacgct	tcctgattcc	tcggcgcaaa	ggagacgttt	1380
atcctttcaa	attcctgcct	tccccctccc	ttttgcgcac	acaccagggt	taatagatcc	1440
tggcctcagg	gtctcctttc	tttctcactt	ctgtcttgaa	ggaagcattt	ctaaaatgta	1500
tcccccttcg	gtccaacaac	aggaacccctg	actggggcag	tgaaggaagg	gatggcacag	1560
cgttatgtgt	aaaaaacaag	tatctgtatg	acaaccgggg	atcgtttgca	agtaactgaa	1620
tccattgcga	cattgtgaag	gcttaaatga	gttttagatgg	gaaatagcgt	tgttatcgcc	1680
ttgggtttaa	attatattgat	gagttccact	tgtatcatgg	cctaccgcag	gagaagagga	1740
gtttgttaac	tgggcctatg	tagtagcctc	atttaccatc	gtttgtatta	ctgaccacat	1800
atgcttggtca	ctgggaaaga	agcctgtttc	agctgcctga	acgcagtttg	gatgtctttg	1860
aggacagaca	ttgcccgga	actcagtcta	tttattcttc	agcttgccct	tactaccact	1920
gatattggta	atgttctttt	ttgtaaaatg	tttgtacata	tgttgctctt	gataatgttg	1980
ctgtaatttt	ttaaaataaa	acacgaattt	aataaaaatat	gggaaaggca	caaaccagaa	2040
gttggcattt	gtgaaaagtc	cctccagatt	tctatcactt	tggctctctaa	tttcccaaga	2100
cttgtatttt	ttttttattt	caaattataa	cacttttttt	tccccagaa	gtgggtgttt	2160
catgttgcta	ctctggtgtg	tcccaagata	tcctaactgg	ccagtgtaaa	tgctattctt	2220
tctaaataag	attatattgga	aacttccttc	aaactgcag			2259

<210> 432  
 <211> 6158  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400>	432					
aaccatcaaa	tttagaagaa	aaagcccttt	gactttttcc	ccctctccct	ccccaatggc	60
tgtgtagcaa	acatccctgg	cgataccttg	gaaaggacga	agttgggtctg	cagtcgcaat	120
ttcgtgggtt	gagttcacag	ttgtgagtg	ggggctcgga	gatggagccg	tggctcctcta	180
ggtggaaaac	gaaacggtgg	ctctgggatt	tcaccgtaac	aaccctcgca	ttgaccttcc	240
tcttccaagc	tagagaggtc	agaggagctg	ctccagttga	tgtactaaaa	gcactagatt	300
ttcacaattc	tccagaggga	atatcaaaaa	caacgggatt	ttgcacaaac	agaaagaatt	360
ctaaaggctc	agatactgct	tacagagttt	caaagcaagc	acaactcagt	gccccaaaca	420
aacagttatt	tccaggtgga	actttcccg	aagacttttc	aatactattt	acagtaaaac	480
caaaaaaagg	aattcagtc	ttccttttat	ctatatataa	tgagcatggg	attcagcaaa	540
ttgggtgttg	ggttgggaga	tcacctgttt	ttctgtttga	agaccacact	ggaaaacctg	600
ccccagaaga	ctatccctc	ttcagaactg	ttaacatcgc	tgacgggaag	tggcatcggg	660
tagcaatcag	cgtggagaag	aaaactgtga	caatgattgt	tgattgtaag	aagaaaacca	720
cgaaaccact	tgatagaagt	gagagagcaa	ttgttgatac	caatggaatc	acggtttttg	780
gaacaaggat	tttggtgaa	gaagtttttg	agggggacat	tcagcagttt	ttgatcacag	840
gtgatcccaa	ggcagcatat	gactactgtg	agcattatag	tccagactgt	gactcttcag	900
caccaaggc	tgctcaagct	caggaacctc	agatagatga	gtatgcacca	gaggatataa	960

tcgaatatga	ctatgagtat	ggggaagcag	agtataaaga	ggctgaaagt	gtaacagagg	1020
gacccactgt	aactgaggag	acaatagcac	agacggaggc	aaacatcggt	gatgattttc	1080
aagaatacaa	ctatggaaca	atggaaagtt	accagacaga	agctcctagg	catgtttctg	1140
ggacaaatga	gccaaatcca	gttgaagaaa	tatttactga	agaatatcta	acgggagagg	1200
attatgattc	ccagaggaaa	aattctgagg	atacactata	tgaaaacaaa	gaaatagacg	1260
gcagggattc	tgatcttctg	gtagatggag	atttaggcga	atatgatttt	tatgaatata	1320
aagaatatga	agataaacca	acaagccccc	ctaatagaaga	atltgggtcca	gggtgtaccag	1380
cagaaactga	tattacagaa	acaagcataa	atggccatgg	tgcatatgga	gagaaaggac	1440
agaaaggaga	accagcagtg	gttgagcctg	gtatgcttgt	cgaaggacca	ccaggaccag	1500
caggacctgc	aggtattatg	ggtcctccag	gtctacaagg	ccccactgga	ccccctgggtg	1560
accctggcga	taggggcccc	ccaggacgtc	ctggcttacc	aggggctgat	gggtctacctg	1620
gtcctcctgg	tactatgttg	atgttaccgt	tccgttatgg	tggtgatggg	tccaaaggac	1680
caacctctc	tgctcaggaa	gtcagggtc	aagctattct	tcagcaggct	cggattgtctc	1740
tgagaggccc	acctggccca	atgggtctaa	ctggaagacc	aggtcctgtg	ggggggcctg	1800
gttcatctgg	ggccaaaggt	gagagtgggtg	atccagggtcc	tcagggccct	cgaggcgtcc	1860
agggcccc	tggtccaacg	ggaaaacctg	gaaaaagggg	tcgtccagggt	gcagatggag	1920
gaagaggaat	gccaggagaa	cctggggcaa	agggagatcg	agggtttgat	ggacttccgg	1980
gtctgccagg	tgacaaaggt	cacaggggtg	aacgagggtcc	tcaaggctcct	ccaggctctc	2040
ctgggtgatga	tggaatgagg	ggagaagatg	gagaaattgg	accaagaggt	cttccagggtg	2100
aagctggccc	acgaggtttg	ctgggtccaa	ggggaaactcc	aggagctcca	gggcagcctg	2160
gtatggcagg	tgtagatggc	cccccaggac	caaaagggaa	catgggtccc	caaggggagc	2220
ctgggcctcc	aggtcaacaa	gggaatccag	gacctcaggg	tcttcctgggt	ccacaagggtc	2280
caattgggtc	tccctggtgaa	aaaggaccac	aaggaaaaacc	aggacttgct	ggacttccctg	2340
gtgctgatgg	gcctcctgggt	catcctggga	aagaaggcca	gtctggagaa	aaggggggtc	2400
tgggtcccc	tggtccacaa	ggtcctattg	gatnncggg	ccccggggga	gtaaagggag	2460
cagatgggtg	cagaggtctc	aagggtacta	aagggtgaaaa	gggtgaagat	ggttttccag	2520
gattcaaagg	tgacatgggt	ctaaaagggtg	acagaggaga	agttgggtcaa	attggcccaa	2580
gagggnaaga	tggccctgaa	ggaccacaa	ctcgagcagg	cccaactgga	gaccaggtc	2640
cttcagggtca	agcaggagaa	aagggaacac	ttggagttcc	aggattacca	ggatatccag	2700
gaagacaagg	tccaaaggggt	tccactggat	tccctgggtt	tccagggtgcc	aatggagaga	2760
aaggtgcacg	gggagtagct	ggcaaaccag	gccctcgggg	tcagcgtgggt	ccaacgggtc	2820
ctcgaggttc	aagaggtgca	agaggtccca	ctgggaaacc	tgggccaaag	ggcacttcag	2880
gtggcgatgg	ccctcctggc	cctccagggtg	aaagaggtcc	tcaaggacct	cagggtccag	2940
ttggattccc	tggacaaaa	ggccctcctg	gaccaccagg	aaggatgggc	tgccaggac	3000
accctgggca	acgtggggag	actggatttc	aaggcaagac	cggccctcct	gggccagggg	3060
gagtgggttg	accacaggga	ccaaccgggtg	agactgggtcc	aataggggaa	cgtgggtatc	3120
ctggctcctc	tggccctcct	ggtagagcaag	gtcttcctgg	tgctgcagga	aaagaagggtg	3180
caaagggtga	tccagggtcct	caaggatatct	cagggaagaa	tggaccagca	ggattacgtg	3240
gtttcccagg	ggaaagaggt	cttcctggag	ctcagggtgc	acctggactg	aaaggagggg	3300
aaggtcccca	gggcccacca	gggtccagttg	gtccaccagg	agaacgtggg	tcagcaggta	3360
cagctggccc	aattgggttta	cgagggcgcc	cgggacctca	gggtcctcct	gggtccagctg	3420
gagagaaagg	tgctcctgga	gaaaaaggtc	cccaagggcc	tgaggggaga	gatggagttc	3480
aaggtcctgt	tggtctccca	gggccagctg	gtcctgccgg	ctccctcctg	gaagacggag	3540
acaagggtga	aattgggtgag	ccgggacaaa	aaggcagcaa	gggtggcaag	ggagaaaatg	3600
gccctcccg	tccccagggt	cttcaaggac	cagttgggtgc	ccttgggaatt	gctggaggtg	3660
atgggtgaacc	aggtcctaga	ggacagcagg	ggatgttttg	gcaaaaagggt	gatgaggggtg	3720
ccagaggctt	ccctggacct	cctgggtccaa	taggtcttca	gggtctgcca	ggccacctg	3780
gtgaaaaagg	tgaaaatggg	gatgttgggtc	catggggggcc	acctgggtcct	ccaggcccaa	3840
gaggccctca	aggtcccaat	ggagctgatg	gaccacaagg	acccccagggt	tctgttgggtt	3900
cagttgggtg	tggttgagaa	aagggtgaac	ctggagaagc	aggaaaccca	gggcctcctg	3960
gggaagcagg	tgtaggcggt	cccaaaggag	aaagaggaga	gaaaggggaa	gctgggtccac	4020
ctggagctgc	tggacctcca	ggtgccaagg	ggccgccagg	tgatgatggc	cctaagggtta	4080
acccgggtcc	tggttggtttt	cctggagatc	ctgggtcctcc	tggggaactt	ggccctgcag	4140
gtcaagatgg	tggttgggtg	gacaagggtg	aagatggaga	tcttgggtcaa	ccgggtcctc	4200

ctggcccatc	tgggtgaggct	ggcccaccag	gtcctcctgg	aaaacgaggt	cctcctggag	4260
ctgcaggtgc	agaggggaaga	caaggtgaaa	aaggtgctaa	gggggaagca	ggtgcagaag	4320
gtcctcctgg	aaaaaccggc	ccagtcggtc	ctcagggacc	tgcaggaaaag	cctgggtccag	4380
aaggtcttcg	gggcatccct	ggtcctgtgg	gagaacaagg	tctccctgga	gctgcaggcc	4440
aagatggacc	acctggtcct	atgggacctc	ctggcttacc	tgggtctcaa	ggtgacctcg	4500
gctccaaggg	tgaaaaggga	catcctgggt	taattggcct	gattggtcct	ccaggagaac	4560
aaggggaaaa	aggtgaccga	gggtccctcg	gaactcaagg	atctccagga	gcaaaagggg	4620
atgggggaat	tcttggtcct	gctggtcctc	taggtccacc	tgggtcctca	ggcttaccag	4680
gtcctcaagg	cccaaagggt	aacaaaggct	ctactggacc	cgctggccag	aaaggtgaca	4740
gtggctcttc	agggcctcct	gggcctccag	gtccacctgg	tgaagtcatt	cagcctttac	4800
caatcttgtc	ctccaaaaaa	acgagaagac	atactgaagg	catgcaagca	gatgcagatg	4860
ataatattct	tgattactcg	gatggaatgg	aagaaatatt	tgggtccctc	aattccctga	4920
aacaagacat	cgagcatatg	aaatttccaa	tgggtactca	gaccaatcca	gcccgaactt	4980
gtaaagacct	gcaactcagc	catcctgact	tcccagatgg	tgaatattgg	attgatccta	5040
accaaggttg	ctcaggagat	tccttcaaag	tttactgtaa	tttcacatct	ggtgggtgaga	5100
cttgcattta	tccagacaaa	aaatctgagg	gagtaagaat	ttcatcatgg	ccaaaggaga	5160
aaccaggaag	ttgggttagt	gaatttaaga	ggggaaaact	gctttcatac	ttagatgttg	5220
aaggaaattc	catcaatatg	gtgcaaatga	cattcctgaa	acttctgact	gcctctgctc	5280
ggcaaaaattt	cacctaccac	tgtcatcagt	cagcagcctg	gtatgatgtg	tcatcaggaa	5340
gttatgacaa	agcacttcgc	ttcctgggat	caaagtatga	ggagatgtcc	tatgacaata	5400
atccttttat	caaaacactg	tatgatgggt	gtacgtccag	aaaaggctat	gaaaaaactg	5460
tcattgaaat	caatacacca	aaaattgatc	aagtacctat	tgttgatgtc	atgatcagtg	5520
actttgggtga	tcagaatcag	aagttcggat	ttgaagttgg	tcctgtttgt	tttcttggct	5580
aagattaaga	caaagaacat	atcaaatcaa	cagaaaatgt	accttgggtgc	caccaacca	5640
ttttgtgcca	catgcaagtt	ttgaataagg	atgtatggaa	aacaacgctg	catatacagg	5700
taccattttag	gaaataaccga	tgcctttgtg	ggggcagaat	cacagacaaa	agctttgaaa	5760
atcataaaga	tataagttgg	tgtggctaag	atggaaacag	ggctgattct	tgattcccaa	5820
ttctcaactc	tccttttccct	atltgaattt	ctttgggtgct	gtagaaaaca	aaaaaagaaa	5880
aatatatatt	cataaaaaat	atgggtgctca	ttctcatcca	tccaggatgt	actaaaacag	5940
tgtgtttaat	aaattgtaat	tattttgtgt	acagttctat	actgttatct	gtgtccattt	6000
ccaaaacttg	cacgtgtccc	tgaattccgc	tgactcta	ttatgaggat	gccgaactct	6060
gatggcaata	atatatgtat	tatgaaaatg	aagttatgat	ttccgatgac	cctaagtcct	6120
tttctttggg	taatgatgaa	attcctttgt	gtgtgttt			6158

<210> 433

<211> 2334

<212> DNA

<213> Homo sapiens

<400> 433

agacacctct	gccctcacca	tgagcctctg	gcagcccctg	gtcctgggtgc	tcctgggtgct	60
gggctgctgc	tttgtgccc	ccagacagcg	ccagtccacc	cttgtgctct	tcctgggaga	120
cctgagaacc	aatctcaccg	acaggcagct	ggcagaggaa	tacctgtacc	gctatggtta	180
cactcgggtg	gcagagatgc	gtggagagtc	gaaatctctg	gggcctgcgc	tgtgcttct	240
ccagaagcaa	ctgtccctgc	ccgagaccgg	tgagctggat	agcgccacgc	tgaaggccat	300
gcgaacccca	cgggtgcggg	tcccagacct	gggcagattc	caaacctttg	agggcgacct	360
caagtggcac	caccacaaca	tcacctattg	gatccaaaac	tactcggaag	acttgccgcg	420
ggcggtgatt	gacgacgct	ttgcccgcgc	cttcgcactg	tggagcgcg	tgacgcgct	480
caccttcact	cgcgtgtaca	gccgggacgc	agacatcgtc	atccagtttg	gtgtcgcgga	540
gcacggagac	gggtatccct	tcgacgggaa	ggacgggctc	ctggcacacg	cctttcctcc	600
tggccccggc	attcagggag	acgccattt	cgacgatgac	gagttgtgg	ccctgggcaa	660
gggcgtcgtg	gttccaactc	ggtttgga	cgcagatggc	gcggcctgcc	acttcccctt	720
catcttcgag	ggcgcctcct	actctgctg	caccaccgac	ggtcgctccg	acggcttgcc	780

ctggtgcagt	accacggcca	actacgacac	cgacgaccgg	tttggcttct	gccccagcga	840
gagactctac	acccgggacg	gcaatgctga	tgggaaaccc	tgccagtttc	cattcatctt	900
ccaaggccaa	tcctactccg	cctgcaccac	ggacggtcgc	tccgacggct	accgctggtg	960
cgccaccacc	gccaactacg	accgggacaa	gctcttcggc	ttctgcccga	cccagactga	1020
ctcgacgggtg	atgggggggca	actcggcggg	ggagctgtgc	gtcttccccct	tcactttcct	1080
gggtaaggag	tactcgacct	gtaccagcga	gggcccgcga	gatggggcgcc	tctggtgcgc	1140
taccacctcg	aactttgaca	gcgacaagaa	gtggggcttc	tgcccggacc	aaggatacag	1200
tttgttctc	gtggcggcgc	atgagttcgg	ccacgcgctg	ggcttagatc	attcctcagt	1260
gccggaggcg	ctcatgtacc	ctatgtaccg	cttactgag	gggccccct	tgcataagga	1320
cgacgtgaat	ggcatccggc	acctctatgg	tcctcgccct	gaacctgagc	cacggcctcc	1380
aaccaccacc	acaccgcagc	ccacggctcc	cccagcggtc	tgccccaccg	gacccccac	1440
tgtccacccc	tcagagcgcc	ccacagctgg	ccccacaggt	ccccctcag	ctggccccac	1500
aggtcccccc	actgctggcc	cttctacggc	cactactgtg	cctttgagtc	cgggtggacga	1560
tgcttgcaac	gtgaacatct	tcgacgccat	cgcgagagatt	gggaaccagc	tgtatttggt	1620
caaggatggg	aagtactggc	gattctctga	gggcaggggg	agccggccgc	agggccctt	1680
ccttatcgcc	gacaagtggc	ccgcgctgcc	ccgcaagctg	gactcggctc	ttgaggagcc	1740
gctctccaag	aagcttttct	tcttctctgg	gcgccaggtg	tgggtgtaca	caggcgcgtc	1800
ggtgctgggc	ccgaggcgtc	tggacaagct	gggcctggga	gccgacgtgg	cccaggtagc	1860
cggggcccctc	cggagtggca	gggggaagat	gctgctgttc	agcgggcggc	gcctctggag	1920
gttcgacgtg	aaggcgcaga	tggatggatcc	ccggagcgcc	agcgagggtg	accggatggt	1980
ccccgggggtg	cctttggaca	cgcacgacgt	cttcagtagc	cgagagaaag	cctatttctg	2040
ccaggaccgc	ttctactggc	gcgtgagttc	ccggagttag	ttgaaccagg	tggaccaagt	2100
gggctacgtg	acctatgaca	tcctgcagtg	ccctgaggac	tagggctccc	gtcctgcttt	2160
gcagtgccat	gtaaatcccc	actgggacca	accctgggga	aggagccagt	ttgccggata	2220
caaactggta	ttctgttctg	gaggaaaggg	aggagtggag	gtgggctggg	ccctctcttc	2280
tcacctttgt	tttttgttgg	agtgtttcta	ataaacttgg	attctctaac	cttt	2334

<210> 434  
 <211> 1738  
 <212> DNA  
 <213> Homo sapiens

<400> 434						
cggggggggta	ctgtgcgagc	cctcaaggag	gtggctgttc	tgtagctgga	gagctccgtg	60
ggtggcagga	ctgaacttga	acaccagaaa	caacccccaa	gccttgtgac	ctgggaggca	120
ggaggcgggt	ctgtctccct	gggacttggg	tggctgagcc	gaggtactcg	ggacctgtc	180
ccgcgcatgg	cagagtggct	cctcacagcc	tgaagctcat	ccttctgcac	gggccagcca	240
ggccagcaca	gaggcaccag	ggcagcagtg	cacacaggtc	cccggggacc	ccaccatgtg	300
gagcggatgg	tggctgtggc	cccttgtggc	cgtctgcact	gcagacttct	ttcgggacga	360
ggcagagagg	atcatgaggg	actccccgtg	cattgatggg	cacaatgacc	tccccctggca	420
gctgctggat	atgttcaaca	accggctgca	ggacgagagg	gccaacctga	ccaccttggc	480
cggcacacac	accaacatcc	ccaagctgag	ggccggcttt	gtgggaggcc	agttctggtc	540
cgtgtacacg	ccctgcgaca	cccagaacaa	agacgcctg	cggaggacgc	tggagcagat	600
ggacgtggtc	caccgcatgt	gccggatgta	cccggagacc	ttcctgtatg	tcaccagcag	660
tgcaggcatt	cggcaggcct	tccgggaagg	gaagggtggc	agcctgatcg	gcgtggaggg	720
cgggcactcc	attgacagca	gtttgggcgt	cctgcgggca	ctctatcagc	tgggcatgcg	780
gtacctgacc	ctcaccaca	gctgcaacac	gccttgggct	gacaactggc	tgggtggacac	840
gggagacagc	gagccccaga	gccaaaggctt	gtcacccttt	gggcagcgtg	tgggtgaagga	900
gctgaaccgt	ctgggggtcc	tcategactt	ggctcacgtg	tctgtggcca	ccatgaaggc	960
cacctgacg	ctgtccagag	ccccggctcat	cttcagccac	tcctcggcct	acagcgtgtg	1020
cgcaagccgg	cgcaacgtgc	ctgacgacgt	cctgaggctg	gtgaaacaga	cagacagcct	1080
ggtgatgggtg	aacttctaca	acaattacat	ttcctgcacc	aacaaggcca	acctgtccca	1140
agtggccgac	catctggatc	acatcaagga	ggtggcagga	gccagagccg	tgggttttgg	1200

tggggacttt	gatggtgttc	caaggggtccc	tgaggggctg	gaggacgtct	ccaagtatcc	1260
agacctgatc	gctgagctgc	taggaggaa	ctggacggag	gcggaggtca	agggcgact	1320
ggctgacaac	ctgctgaggg	tcttcgaggg	tgtggaacag	gccagcaacc	tcacacaggg	1380
tcccaggag	gagcccatcc	cgctggacca	gctgggtggc	tcctgcagga	cccattacgg	1440
ctactcctct	ggggcttcca	gcctccatcg	ccactggggg	ctcctgctgg	cctccctcgc	1500
ttccctggtc	ctctgtctgt	ctctcctgtg	aaacctggga	gaccagagtc	ccctttaggg	1560
ttcccggagc	tccgggaaga	cccgccatc	ccaggactcc	agatgccagg	agccctgctg	1620
cccacatgca	aggaccagca	tctcctgaga	ggacgcctgg	gcttacctgg	ggggcaggat	1680
gcctggggac	agttcaggac	acacacacag	taggcccgc	ataaaagcaa	cacccctt	1738

<210> 435

<211> 4251

<212> DNA

<213> Homo sapiens

<400> 435

gaattcctgg	gctcaagtga	tctctcatg	tcagtctccc	aaagtgctgg	gatgacaggc	60
ttgagccacc	acaccaggcc	catcatcagt	ttttatataa	agaaaaaaaa	accttaaaat	120
tgttaggcaa	atactatgac	aaattgtaat	atatattctt	acatttcaga	ttttattttt	180
ttaaactgta	taagaattga	ttaataaata	aaatttagta	ttaatctgtc	ttttaaaacc	240
atatataaag	tttatcaa	agcttataac	ttcttgcaac	tgaatttttg	tattcaatgt	300
tatggctttg	atactagtcc	aagttgaaat	atagatatct	actttattcg	atttaaattc	360
tgtttagtat	tttattatat	tttgtaatac	catttgtccc	aattcatata	cttatctctc	420
tttctgtgaa	tattcagggt	agttttttct	tcctaatttt	gcattctgat	tggcttttat	480
tccctgaatt	ataaatgact	attctatgat	gattctggta	aataactcaat	ttcaccacac	540
aatctttgac	ttcatactaa	caaacagttg	acttcaa	gacaatttca	atgaaggctg	600
acttcatatt	tagctccttt	aagcttcctt	aggcatcagc	tctctacaat	tctcacattg	660
agaatatgtg	tattttgtta	gctcaaacct	tgtagacat	gttaa	tagaaatata	720
aatttaacct	accccttgag	gtaggtcttg	agaggtttgt	gagcctaaaa	agacatggag	780
gaaccactta	ttgccacaag	cacattgttc	taaattattt	ggaatcagtt	aattcttccc	840
catctcctac	ccatgcctga	caccaaagag	gagcctctaa	atttacaggg	aatacaagga	900
agtctactgt	tctctgctcc	tctctgggtt	attagggcac	atgggagccc	tcagttgttt	960
tctgctgagc	aagagcaaag	tccaccttgg	acttagacag	cttgccaaat	tttttgccag	1020
aaggggacct	gagttgtgac	cactcccagt	gtgtgccggg	aaaagggtca	tactggtgcc	1080
agaatctctt	actgtcaatg	ctcccaaaac	tcaccgcttg	ccccacccc	ttttgcttaa	1140
atgacgtggt	tcttatctca	gacctgata	taaagctcct	acagctacct	ggcctgagaa	1200
gccaaactcag	actcagccaa	caggtaagt	ggcattacag	gagaagggcg	tctcta	1260
gactgtaga	tctaaaatct	tcggaagat	acagcatgag	tttctgtcca	agaggtttta	1320
gctgtaagga	agcctcagtg	ggatccaaag	ttgtttttca	gttactgagt	ctgtataatc	1380
cccactctca	agagaaacat	ttgaagggtg	gggtgtctca	gaggaccttc	ctggtctcag	1440
aaattctgag	aggaggtttt	aaggaaggta	ataggtgctt	tgctctccat	ctctcagaac	1500
ccccttctct	gtgttctcct	atagagattg	ttgatttgcc	tcttaagcaa	gagattcatt	1560
gcagctcagc	atggetcaga	ccagctcata	cttcatgctg	atctcctgcc	tgatgtttct	1620
gtctcagagc	caaggtaaga	tctcttttcc	accaaccaac	tctttctagc	cctgaagact	1680
tactctatc	cccaagcata	cgggtctact	tgaaaaaaaa	aaaaaagcag	agtcactgtt	1740
aagggttgtt	ttgtggtgtt	tagtgatctt	tattgcttat	ctcttcacat	ttatatacat	1800
ccacacctca	ttaaggagtt	ggagctagaa	tttaaaatga	ccccttataa	gcaactgctg	1860
cagctggcat	gagtttatct	gattaaat	atacgtgatg	gtggatttgg	ggatgtctgt	1920
gtgtagacag	tactaatgg	ggtggagaac	tgaagagagc	cttgtgttca	gggaaaccaa	1980
gtcaggcttg	agaaagtaga	aggctgagtc	cttcaaggta	gaagagcctg	agctccagac	2040
ataaaagggg	aactggagac	ttgtttcttt	ggcctattca	ttctgttttt	tttccctga	2100
tcaaagaaac	caaagacaga	agatgtagga	tgcaggagca	atagttagca	gtcatcccat	2160
aatagactgg	attcttctgt	ttctataaag	gaacctcaga	agctcttacc	tcaccttcaa	2220



gccttttct	taccctgaga	gcctccttta	attgtctctt	ctttttcagg	ccaagaggcc	2280
cagacagagt	tgccccaggc	ccggatcagc	tgcccagaag	gcaccaatgc	ctatcgctcc	2340
tactgctact	actttaatga	agaccgag	acctgggttg	atgcagatgt	gagtgaggag	2400
agcagtgtgg	gaagggagac	tcatgaaggg	aggggaagct	gccactctcc	agtgtgttca	2460
gtggctgcaa	tgagatgaga	ctgaaccct	tgctatacta	tcatcagccc	caaactttcc	2520
aatctacttt	atcccattat	tcagcacatt	cccagcaca	agaacctggt	ggtcagtgac	2580
agcatcatca	cggacattac	tctgctgtcc	tttttctgac	ccgtcctctt	ggaggactca	2640
gtatatccgt	cacaacttcc	tctccactg	agtgtctccat	tttcttctgc	aacagctcta	2700
ttgccagaac	atgaattcgg	gcaacctggt	gtctgtgtct	acccaggccg	agggtgcctt	2760
tgtggcctca	ctgattaagg	agagtggcac	tgatgacttc	aatgtctgga	ttgcctcca	2820
tgaccccaaa	aaggtaggct	gcagccttct	ttatctccta	atgatcaggt	ttgagaagta	2880
agaaggaggt	tcaagttctg	gtctcttaag	taccagcttt	tatcgctttc	cagaaatcag	2940
gctgtttaca	gatcctctaa	tgctctgtgt	agcaagggtgc	actgtagatg	attggagata	3000
taagtggaag	gctgaatttc	ctaggtgttc	ttgtcattca	tgaataaact	tattctgttt	3060
tcagtcaaca	aagcatcttt	atgcaccaac	ttcttaccta	ttttgttact	gtcagagtca	3120
caagagagac	tagattgccg	actatataag	aaaggagact	tgtggtaaaa	atctgctgct	3180
gtactgctgg	catttgggaa	cctggtagta	tactaaataa	tataatatat	caacaactaa	3240
tggtcagcca	atgctatgct	ggatatgagg	gtcctggggc	acaaagacaa	aaaactcagga	3300
accacttttt	aagttagata	ctttgggtct	ctgtcaaatt	cataacactt	atttcttggt	3360
ggaatacagt	taatgagttg	gacagttcag	gaaagaagtt	tagagcaata	gcaaaggaaa	3420
ggaaacaata	tttagcaagg	tttattcttc	ctttgtgtct	tagcatgttt	ctgagtgtgc	3480
acacaggccc	agtgattcca	tgtatttttg	agtgaccact	gcctctgttc	tggcccttcc	3540
ccatctagaa	ccgccgctgg	cactggagca	gtgggtccct	ggtctcctac	aagtcctggg	3600
gcattggagc	cccaagcagt	gttaatcctg	gctactgtgt	gagcctgacc	tcaagcacag	3660
gtgagaggca	gagaatccat	ccacctgttt	ctgttctctc	ctgcttagct	ccagggatgg	3720
aactgggact	gggtagaggg	aaagggtgac	tcctcattaa	ggaaatggat	gtttggtttt	3780
tgtcctgagt	cctaaagcca	ggagggtcat	actctttcgg	gtctcccagt	tgtaactctt	3840
ctcattgact	tatagatttc	cagaaatgga	aggatgtgcc	ttgtgaagac	aagttctcct	3900
ttgtctgcaa	gttcaaaaac	tagaggcagc	tggaaaatac	atgtctagaa	ctgatccagc	3960
aattacaacg	gagtcaaaaa	ttaaacggga	ccatctctcc	aactcaactc	aacctggaca	4020
ctctcttctc	tgtgagtttt	gccttggtta	tcttcaatag	ttttacctac	cccagtcctt	4080
ggaaccctaa	ataataaaaa	taaacatggt	tccactattg	tgctgtctta	ctgtgtctgc	4140
tatttccaca	gctgatgcct	gggtgggtga	gatgagagtg	attacaacaa	agcttgctct	4200
ggcctatcca	cttcttaaaa	gtccatccgc	ataccatgca	tattggaatt	c	4251

<210> 436  
 <211> 806  
 <212> DNA  
 <213> Homo sapiens

<400> 436	
tccccctccc	accacagctg tagtgagctc caccgtctcc agtggctatg gcggtgccag 60
cgggtgtcggc	agtggcttag gcctgggtgg aggaagcagc tactcctatg gcagtgggtct 120
tggcggttgga	ggcggtttta gttccagcag cggcagagcc actgggggtg gcctcagctc 180
tggttgagggc	ggcagttcca ccatcaagta caccaccacc tctcctcca gcaggaagag 240
ctacaagcac	tgaagctgtg ccgccagctc tcagtcccac agctctcagg cccctctctg 300
gcagcagagc	cctctcctca ggttgcttgt cctcccctgg cctccagtct cccctgcctt 360
cccgggtaga	gctgggatgc cctcactttt cttctcatca atactgttcc actgagctcc 420
tggttgcttac	catcaagtca acagttatca gcaactcagac atgcgaatgt ccttttttagt 480
tcccgattata	ttacaggtat ctgagtctgc cataattctg agaagaaaaa tgacctatat 540
cccccataag	aactgaaact cagtctagga gttctcatct gacaagtcag ttgtcctgat 600
cttctcttgc	agtgtcctga atggcaagta gtgtaccttc tagtgagctc tgcattcctg 660
cactgctttc	tctgctctct ttgccttctt ttgttctgtg tgaataaagc atattgagaa 720

tgtgaacatg ttgtgttaga ttgtattgct gaccacttcc tggtttagaa acattcgcac	780
cccacaaatg gtttcttatac ttgggg	806

<210> 437  
 <211> 2167  
 <212> DNA  
 <213> Homo sapiens

<400> 437	
ctgcaggaac caatacccat aggctatttg tataaatggg ccatgggggc tcccagctgg	60
aggctggctg gtgccacgag ggtcccacag gcatgggtgt ccttcctata tcacatggcc	120
ttcactgaga ctggtatatg gattgcacct atcagagacc aaggacagga cctccctgga	180
aatctctgag gacctggcct gtgatccagt tgcctgcttg tctcttccct gctatgtcat	240
ggcttatctt ctttcaccca ttcattcatt cattcattca ttcagcagta ttagtcaatg	300
tctcttgata tgcctggcac ctgctagatg gtccccgagt ttaccattag tggaaaagac	360
atttaagaaa ttcaccaagg gctctatgag aggccatata cgggtggacct gactaggggtg	420
tggcttcctt gaggagctga agttgccag agggccagag aaggggagct gagcacgttt	480
gaaccactga acctgctctg gacctcgctt ccttccttcg gtgcctccca gcatcctatc	540
ctctttaaag agcaggggtt caggggaagtt cctctggatgg tgattcgag gggcagctcc	600
cctctcacct gccgcatgac taccgccccc catctcaaac acacaagctc acgcatgcgg	660
gactggagcc cttgaggaca tgtggcccaa agacaggagg tacaggggct cagtgcgtgc	720
agtggaatga actgggcttc atctctggaa gggtaagggg ccatcttcct ggttcaccgc	780
cgcatcccca ccccgccac agcgctcctt ggcgactaac atcggtgact tagtgaaagg	840
actaagaaag acccgaggcg aggcgggaac aggcggattt ctagccgcca agtggaagac	900
aggttgagagc ggtgcgcggg gcttagcggc ggttgctgga ggaacgggag gagtcgcca	960
gggtcctgcc ctgcggggggt cgagccgagg caggcgggtga cttcccact cggggcgagg	1020
ccgcagcctc gcgggggcggt ggctggcgcg cggcgggtggc gtcacaaaag gcgggaccac	1080
agtgggtgtc gagaagttag gcacgtagct cagcggcggt cgcgggcggt gcgtctgtgc	1140
ctctgcgcgg gtctcctggt ccttctgcca tcatgccgat gttcatcgta aacaccaacg	1200
tgccccgcgc ctccgtgccg gacgggttcc tctccgagct caccagcag ctggcgagc	1260
ccaccggcaa gccccccag gtttgccggg aggggacagg aagagggggg tgcccaccg	1320
acgaggggtt ccgcgctggg agctggggag gcgactcctg aacggagctg gggggcgggg	1380
cggggggagg acggtggctc gggcccgaag tggacgttcg gggcccgac aggtcgctgg	1440
ggcgggctga ccgcgccctt tctcgcagt acatcgcggt gcacgtgggt ccggaccagc	1500
tcatggcctt cggcggtctc agcgagccgt gcgcgctctg cagcctgcac agcatcgga	1560
agatcggcgg cgcgcagaac cgctcctaca gcaagctgct gtgcggcctg ctggccgagc	1620
gcctgcgcat cagcccgagc aggtacgcgg agtcgcggag gggcggggga gggcgggcgg	1680
cgcgcgccca gggccgggac tgagccaccc gctgagtcgg gcctcctccc cccgcagggt	1740
ctacatcaac tattacgaca tgaacgcggc caatgtgggc tggaaacaact ccaccttcgc	1800
ctaagagccg cagggaacca cgctgtctgc gctgggtcca cccgggaacc cgccgcacgc	1860
tgtgttctag gcccgccac cccaaccttc tgggtggggag aaataaacgg tttagagact	1920
aggagtgcct cgggggttct tggcttgagg gaggaattgg tgcagagccg ggacattggg	1980
gagcgaggtc gggaaacggg gttggggggc ggggtcaggg ccgggttgct ctctcgaac	2040
ctgctgttcg ggagcccttt tgtccagcct gtccctccta cgctcctaac agaggagccc	2100
cagtgtcttt ccattctatg gcgtacgaag ggatgaggag aagttggcac tctgccttgg	2160
gctgcag	2167

<210> 438  
 <211> 309  
 <212> DNA  
 <213> Homo sapiens

<400> 438  
ctctcaatag gaaagagaag taattcaaga aagaaataga aacttcaggc agaacatcca 60  
ttcattcatt cattggattg tatatcattg ttgcacaatc agaattgata agcactgttc 120  
ttccactcca ttttagcaatt atgtcaccct tttttattgc agttgggttt tgaatgtctt 180  
tcactccttt taaggataaa ctcccttatg gtgtgactgt gtcttattca tctatacttg 240  
cagtgggtag atgtcaataa atgttacata cacaataaa taaaatgttt attccatggt 300  
aaatttatt 309

<210> 439  
<211> 1778  
<212> DNA  
<213> Homo sapiens

<400> 439  
tagaagttta caatgaagtt tcttctaata ctgctcctgc aggccactgc ttctggagct 60  
cttccctga acagctctac aagcctggaa aaaaataatg tgctatttgg tgagagatac 120  
ttagaaaaat tttatggcct tgagataaac aaacttcag tgacaaaaat gaaatatagt 180  
ggaaacttaa tgaaggaaaa aatccaagaa atgcagcact tcttgggtct gaaagtgacc 240  
gggcaactgg acacatctac cctggagatg atgcacgcac ctgatgtgg agtccccgat 300  
ctccatcatt tcagggaat gccagggggg cccgtatgga ggaaacatta tatcacctac 360  
agaatcaata attacacacc tgacatgaac cgtgaggatg ttgactacgc aatccggaaa 420  
gctttccaag tatggagtaa tgttacccc ttgaaattca gcaagattaa cacaggcatg 480  
gctgacattt tgggtggttt tgcccgtgga gctcatggag acttccatgc ttttgatggc 540  
aaaggtggaa tcctagccca tgcttttggga cctggatctg gcattggagg ggatgcacat 600  
ttcgatgagg acgaattctg gactacacat tcaggaggca caaacttggt cctcactgct 660  
gttcacgaga ttggccattc cttaggtctt ggccattcta gtgatccaaa ggctgtaatg 720  
ttccccacct acaaatatgt cgacatcaac acatttcgcc tctctgctga tgacatacgt 780  
ggcattcagt ccctgtatgg agacccaaaa gagaaccaac gcttgccaaa tcctgacaat 840  
tcagaaccag ctctctgtga cccaatttg agttttgatg ctgtcactac cgtgggaaat 900  
aagatctttt tcttcaaaga caggttcttc tggctgaagg tttctgagag accaaagacc 960  
agtgttaatt taatttcttc cttatggcca accttgccat ctggcattga agctgcttat 1020  
gaaattgaag ccagaaatca agtttttctt tttaaagatg acaataactg gtttaattagc 1080  
aatttaagac cagagccaaa ttatcccaag agcatacatt cttttgggtt tcctaacttt 1140  
gtgaaaaaaa ttgatgcagc tgtttttaac ccacgttttt ataggacctt cttctttgta 1200  
gataaccagt attggaggta tgatgaaagg agacagatga tggaccctgg ttatcccaaa 1260  
ctgattacca agaacttcca aggaatcggg cctaaaattg atgcagtctt ctattctaaa 1320  
aacaataact actatttctt ccaaggatct aaccaatttg aatatgactt cctactccaa 1380  
cgtatcacca aaacactgaa aagcaatagc tggtttgggt gttagaaatg gtgtaattaa 1440  
tggtttttgt tagttcactt cagcttaata agtatttatt gcatatttgc tatgtcctca 1500  
gtgtaccact acttagagat atgtatcata aaaataaaaat ctgtaaacca taggtaatga 1560  
ttatataaaa tacataatat ttttcaattt tgaaaactct aattgtccat tcttgcttga 1620  
ctctactatt aagtttgaaa atagttacct tcaaagcaag ataattctat ttgaagcatg 1680  
ctctgtaagt tgcttcctaa catccttgga ctgagaaatt atacttactt ctggcataac 1740  
taaaattaag tatatatatt ttggctcaaa taaaattg 1778

<210> 440  
<211> 3018  
<212> DNA  
<213> Homo sapiens

<400> 440  
ctctcacag gtgtgtctct agtctcctg gttgctgccc ccactcctg ccgagacgcc 60

tgccagaaag	gtcacctatc	ctgaacccca	gcaagcctga	aacagctcag	ccaagcaccc	120
tgcatggaa	gctgcagatg	cctccaggag	caacgggtcg	agcccagaag	ccagggatgc	180
cggagcccc	tcgggcccc	gtggcagcct	ggagaatggc	accaaggctg	acggcaagga	240
tgccaagacc	accaacgggc	acggcgggga	ggcagctgag	ggcaagagcc	tgggcagcgc	300
cctgaagcca	ggggaaggta	ggagcgcctt	gttcgcgggc	aatgagtggc	ggcgacccat	360
catccagttt	gtcaggtccg	gggacgacaa	gaactccaac	tacttcagca	tggactctat	420
ggaaggcaag	aggtcgcctg	acgcagggct	ccagctgggg	gctgccaaaga	agccaccctg	480
tacctttgcc	gaaaaggggc	acgtgcgcaa	gtccattttc	tcggagtccc	ggaagcccac	540
ggtgtccatc	atggagcccc	gggagacccg	gcggaacagc	tacccccggg	ccgacacggg	600
ccttttttca	cgggtccaagt	ccggctccga	ggaggtgctg	tgcgactcct	gcatcggcaa	660
caagcagaag	gcgggtcaagt	cctgcctggt	gtgccaggcc	tccttctgcg	agctgcatct	720
caagccccac	ctggaggggc	ccgccttccg	agaccaccag	ctgctcgagc	ccatccggga	780
ctttgaggcc	cgcaagtgtc	ccgtgcatgg	caagacgatg	gagctcttct	gccagaccga	840
ccagaccctg	atctgctacc	tttgcatggt	ccaggagcac	aagaatcata	gcaccgtgac	900
agtggaggag	gccaaggccg	agaaggagac	ggagctgtca	ctgcaaaaagg	agcagctgca	960
gctcaagatc	attgagattg	aggatgaagc	tgagaagtgg	cagaaggaga	aggaccgcat	1020
caagagcttc	accaccaatg	agaaggccat	cctggagcag	aacttccggg	acctggtgcg	1080
ggacctggag	aagcaaaaagg	aggaagtgag	ggctgcgctg	gagcagcggg	agcaggatgc	1140
tgtggacca	gtgaagggtg	tcatggatgc	tctggatgag	agagccaagg	tgctgcatga	1200
ggacaagcag	acccggggag	agctgcatag	catcagcgac	tctgtgttgt	ttctgcagga	1260
atltgggtga	ttgatgagca	attactctct	ccccccaccc	ctgccacctt	atcatgtcct	1320
gctggagggg	gagggcctgg	gacagtcact	aggcaacttc	aaggacgacc	tgctcaatgt	1380
atgcatgcgc	cacgttgaga	agatgtgcaa	ggcggacctg	agccgtaact	tcattgagag	1440
gaaccacatg	gagaacgggt	gtgaccatcg	ctatgtgaac	aactacacga	acagcttcgg	1500
gggtgagtgg	agtgcaccgg	acaccatgaa	gagatactcc	atgtacctga	cacccaaagg	1560
tgggggtccg	acatcatacc	agccctcgtc	tcctggccgc	ttcaccaagg	agaccacca	1620
gaagaatttc	aacaatctct	atggcaccaa	aggtaactac	acctcccggg	tctgggagta	1680
ctcctccagc	attcagaact	ctgacaatga	cctgcccgtc	gtccaaggca	gctcctcctt	1740
ctccctgaaa	ggctatccct	ccctcatgcg	gagccaaagc	cccaaggccc	agccccagac	1800
ttggaaatct	ggcaagcaga	ctatgctgtc	tcactaccgg	ccattctacg	tcaacaaagg	1860
caacgggatt	gggtccaacg	aagccccatg	agctcctggc	ggaagggaacg	aggcgccaca	1920
ccccgtctct	ctcctcctgac	cctgctgctc	ttgccttcta	agctactgtg	cttgtctggg	1980
tggggaggag	cctggctcctg	cacctgccct	ctgcagccct	ctgccagcct	cttgggggca	2040
gttccggcct	ctccgacttc	cccactggcc	acactccatt	cagactcctt	tcctgccttg	2100
tgacctcaga	tggtcaccat	cattcctgtg	ctcagaggcc	aacctcatcac	aggggtgaga	2160
taggttgggg	cctgccctaa	cccgccagcc	tcctcctctc	gggctggatc	tgggggctag	2220
cagtgagtac	ccgcatggta	tcagcctgcc	tctcccgcgc	acgccctgct	gtctccaggc	2280
ctatagacgt	ttctctccaa	ggccctatcc	cccaatgttg	tcagcagatg	cctggacagc	2340
acagccaccc	atctccctatt	cacatggccc	acctcctgct	tcacagagga	ctggccctac	2400
gtgctctctc	tcgtcctacc	tatcaatgcc	cagcatggca	gaacctgcag	tggccaaggg	2460
ctgcagatgg	aaacctctca	gtgtcttgac	atcacccctac	ccaggcggtg	ggtctccacc	2520
acagccactt	tgagtctgtg	gtccctggag	gggtgcttct	cctgactggc	aggatgacct	2580
tagccaagat	attcctctgt	tcctctgctt	gagataaaga	attcccttaa	catgatataa	2640
tccacccatg	caaatagcta	ctggcccagc	taccatttac	catttgctta	cagaatttca	2700
ttcagtctac	actttggcat	tctctctggc	gatggagtgt	ggctgggctg	accgcaaaaag	2760
gtgccttaca	cactgcccc	acctcagcc	gttgccccat	cagaggctgc	ctcctccttc	2820
tgattacccc	ccatgttgca	tatcaggggtg	ctcaaggatt	ggagaggaga	caaaaccagg	2880
agcagcacag	tggggacatc	tcccgctctca	acagcccag	gcctatgggg	gctctggaag	2940
gatgggccag	cttgaggggg	ttggggaggg	agacatccag	cttgggcttt	cccccttggg	3000
ataaaccatt	ggtctgtc					3018

<210> 441  
<211> 2439

<212> DNA  
<213> Homo sapiens

<400> 441  
cagcaccag ctccccgcca ccgccatggt ccccgacacc gcctgcgttc ttctgctcac 60  
cctggctgcc ctcggcgcgt ccggacaggg ccagagcccg ttgggctcag acctgggccc 120  
gcagatgctt cgggaactgc aggaaaccaa cgcggcgctg caggacgtgc gggactggct 180  
gcggcagcag gtcagggaga tcacgttcct gaaaaacacg gtgatggagt gtgacgcgtg 240  
cgggatgcag cagtcagtac gcaccggcct acccagcgtg cggcccctgc tccactgcgc 300  
gcccggcttc tgcttccccg gcgtggcctg catccagacg gagagcggcg gccgctgcgg 360  
ccctgcccc gcgggcttca cgggcaacgg ctgcactgc accgacgtca acgagtgcaa 420  
cgcccacccc tgcttcccc gagtccgctg tatcaacacc agcccggggg tccgctgcga 480  
ggcttgcccc cggggtaca gcggccccac ccaccagggc gtggggctgg ctttcgcca 540  
ggccaacaag caggtttgca cggacatcaa cgagtgtgag accgggcaac ataactcgt 600  
ccccaaactc gtgtgcatca acaccgggg ctcttccag tgcggcccgt gccagcccgg 660  
cttcgtgggc gaccaggcgt ccggctgcca gcgcggcgca cagcgttct gccccagcg 720  
ctgcgccagc gagtgcacg agcatgcaga ctgcgtccta gagcgcgatg gctcgcggtc 780  
gtgctgtgtg cgcgttggct gggccggcaa cgggatcctc tgtggtcgcg aactgcgct 840  
agacggcttc ccggacgaga agctgcgctg ccggagcgc cagtgcgcta aggacaactg 900  
cgtgactgtg cccaactcag ggcaggagga tgtggaccgc gatggcatcg gagacgcctg 960  
cgatccggat gccgacgggg acggggctcc caatgaaaag gacaactgcc cgctggtgcg 1020  
gaaccagac cagcgcaaca cggacgagga caagtggggc gatgcgtgcg acaactgccg 1080  
gtcccagaag aacgacgacc aaaaggacac agaccaggac ggcggggcg atgctgcga 1140  
cgacgacatc gacggcgacc ggatccgcaa ctaggcgac aactgcccta gggtaaccaa 1200  
ctcagaccag aaggacagt atggcgatgg tataggggat gcctgtgaca actgtccca 1260  
gaagagcaac ccgatcagg cggatgtgga ccacgacttt gtgggagatg cttgtgacag 1320  
cgatcaagac caggatggag acggacatca ggactctcgg gacaactgtc ccacggtgcc 1380  
taacagtgcc caggaggact cagaccagga tggccagggt gatgcctgcg acgacgacga 1440  
cgacaatgac gtagtccctg acagtccgga caactgccgc ctggtgccta accccggcca 1500  
ggaggacgcg gacagggacg gcgtggcgga cgtgtgccag gacgactttg atgcagacaa 1560  
ggtggtagac aagatcgacg tgtgtccgga gaacgctgaa gtcacgctca ccgacttcag 1620  
ggccttccag acagtctgc tggaccgga ggggtgacgc cagattgacc ccaactgggt 1680  
ggtgctcaac cagggaaagg agatcgtgca gacaatgaac agcgaccag gcctggctgt 1740  
gggttacact gccttcaatg gcgtggactt cgagggcagc ttccatgtga acacggtcac 1800  
ggatgacgac tatgcgggct tcatctttgg ctaccaggac agctccagct tctacgtggt 1860  
catgtggaag cagatggagc aaacgtattg gcaggcgaac cccttccgtg ctgtggccga 1920  
gcctggcatc caactcaagg ctgtgaagtc ttccacaggg cccggggaac agctgcggaa 1980  
cgctctgtgg catacaggag acacagagtc ccaggtgcgg ctgctgtgga aggaccgcg 2040  
aaacgtgggt tgggaaggaca agaagtccta tcgttgggtc ctgcagcacc ggccccaggt 2100  
gggctacatc aggtgctgat tctatgagg ccctgagctg gtggccgaca gcaacgtggt 2160  
cttgacaca accatgcggg gtggccgcct gggggctctt tgcttctccc aggagaacat 2220  
catctgggcc aacctgcgtt accgctgcaa tgacaccatc ccagaggact atgagacca 2280  
tcagctgcgg caagcctagg gaccaggggt aggaccgcc ggatgacagc caccctcacc 2340  
gcggctggat gggggctctg caccagccc aaggggtggc cgtcctgagg ggggaagtga 2400  
aagggtcag agaggacaaa ataaagtgtg tgtgcaggg 2439

<210> 442  
<211> 1338  
<212> DNA  
<213> Homo sapiens

<400> 442  
ggatcctgcc agagcctcct cccacctgga ggggtcccag cgtccacctt ccctgcccc 60

gccccctcc	tcgaggtact	gggaggctgg	ataaagtctt	cggtctgggc	acacccacc	120
ccaaattctc	cctgtcccac	cctagtggcc	agggcacc	ggcctgtcc	cttcgcaag	180
gcacctcacc	ttctgtgccc	agaccattag	ccaacgcggt	gaccttgacc	ccggcccagg	240
ccctgctaata	gaagaggaaa	gcccgtacgc	actcggcctg	accacggcg	accctctgtg	300
accaatcata	ctaccaacct	cttaaacaga	gctccaccga	cgcaatgcc	aggcataaaa	360
aggccaggcc	gagagaccgc	caccagtcac	ggaccctgga	cccagcgac	ccgcaccatg	420
gcgggcccc	gcctcgcttg	ctgtctgtc	ggcctcctgg	cgctgacctc	cgctgtctac	480
atccagaact	gccccctggg	aggcaagagg	gccgcgccgg	acctcgacgt	gcgcaagggtg	540
agtcgccagc	cctgggtccc	cggcgctccg	gggaggagg	gaccgcgac	cacaggggcg	600
cgccccgctc	cggcctcgcc	tgagaactcc	aggagctgag	cggttttga	cgccccgcc	660
ttgaccgcgg	tcgaggcccc	cacggcgccc	cagcgtctca	gccccgctgt	ccccgccga	720
actccgaacc	ccggacccca	gcatccttgc	ccggcgacc	ccggccggcc	tcgcagggtc	780
ctccgagcga	gtccccagcg	ccgcccccg	tcccgtcac	ccgccccgtc	ccccgagtgc	840
ctccccctgc	gccccggggg	caaaggccgc	tgcttcgggc	ccaatatctg	ctgcgcggaa	900
gagctgggct	gcttcgtggg	caccgcccga	gcgctgcgct	gccaggagga	gaactacctg	960
ccgtcgccct	gccagtcggg	ccagaaggcg	tgcgggagcg	ggggccgctg	cgccttgggc	1020
ctctgtcgca	gcccgggtga	gcggggcaag	gcgctccggg	gccaggggga	ggcgggcggg	1080
ggtgcggccg	ggattcccct	gactccacct	cttcctccag	acggctgcc	cgccgaccct	1140
gcctgcgacg	cggaagccac	cttctcccag	cgctgaaact	tgatggctcc	gaacaccctc	1200
gaagcgcgcc	actcgcttcc	cccatagcca	cccagaaat	ggtgaaaata	aaataaagca	1260
ggtttttctc	ctctaccttg	actcgtgtct	aagtgcaga	aatgggacgg	ggagggggca	1320
ttgtgggact	ggaagatc					1338

&lt;210&gt; 443

&lt;211&gt; 7011

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 443

cgggccgcat	cagccctcct	cctgtttgcg	ctccccagcg	tgcaatttat	ttggggggct	60
accggggatt	gaacggagcg	ggcgagcgct	gccaggaggt	ggggccggcc	ccacctgtcg	120
actgcccgtg	gtaggcaggg	agagggcggg	gtttgtccca	tagggcccg	ccccagtc	180
ctgggtccc	ggcgcgcgac	gagatataag	gcagtcagga	aacaatgcg	ctgcagctcg	240
cgctcccgcg	ccgatcccga	gagcgtccgg	gccgccgtgc	gcgagcgagg	gagggcgcg	300
gcgcgggggg	ggcgcgctcg	tgagtgcggg	ccgcgctctc	ggcgcgcg	atgtgcgtgt	360
gtgctggctg	ccgggctgcc	ccgagccggc	ggggagccgg	tccgctccag	gtggcgggcg	420
gctggagcga	ggtgaggctg	cgggtggcca	gggcacgggc	gcgggtccc	cggtgcgggc	480
tggtgcagg	ctgccttctg	ggcacggcg	gcccccgccc	ggcccccg	ggccctggga	540
gctgcgctcc	gggcggcgct	ggcaaagt	gctttgaact	cgctgccac	agtcgggtcc	600
gcgcgctgcg	attggcttcc	cctaccactc	tgaccggggg	cccggcttcc	cgggacgcga	660
ggactggg	caggctgcaa	gctggtgggg	ttggggagga	acgagagccc	ggcagccgac	720
tgtgccgagg	gaccggggga	cacctccttc	gcccggccgg	caccgggtca	gcacgtcccc	780
ccttccctcc	cgcagggagc	ggacatggac	tacgactcgt	accagcacta	tttctacgac	840
tatgactgcg	gggaggattt	ctaccgctcc	acggcgccca	gcgaggacat	ctggaagaaa	900
ttcgagctgg	tgccatcgcc	ccccacgtcg	ccgcccggg	gcttgggtcc	cggcgagg	960
gaccgggccc	ccgggattgg	tccccgggag	ccgtggcccc	gaggggtgc	cggagacgaa	1020
gcggaatccc	ggggccactc	gaaaggctgg	ggcaggaact	acgcctccat	catacgccgt	1080
gactgcatgt	ggagcggtt	ctcgccccgg	gaacggctgg	agagagctgt	gagcgaccgg	1140
ctcgctcctg	gcgcgccccg	ggggaacccg	cccaaggcgt	ccgcccggcc	ggactgcact	1200
cccagcctcg	aagccggcaa	ccggcgcccc	gcccggccct	gtccgctggg	cgaacccaag	1260
accagggcct	gctccgggtc	cgagagccca	agcgactcgg	gtaaggacct	ccccgagcca	1320
tccaagagg	ggccacccca	tgggtggcca	aagctctgcc	cctgcctgag	gtcaggcatt	1380
ggctcttctc	aagctcttgg	gccatctccg	cctctctttg	gctgaagctg	cccgtgtagt	1440

ccccaacctg	gtctgtctgg	cacgtgggtg	tgttggtaaa	cagtttgtaa	aagtggcgtg	1500
ggagccagcc	tccctttgat	gattattgga	gccccagggg	acaagggatt	tgaggtgagg	1560
gttggcgctt	agagaggaca	atactggggg	tggactgtaa	gggattgaag	ggggtacctt	1620
aagagacact	ccaaacctga	agtttttttg	ctgctgcctc	tttccctagg	aaactcacac	1680
tcccctaggg	ggagaagaag	ccgagagcct	tttgtgcaaa	gccaaaacct	tcgtcctttt	1740
aaaaacctag	gtctccagtt	ggctttactt	taaaatgcc	ataataaatg	ccctcttctc	1800
gtgcctcccc	accaccactt	accactcgtg	catccctgag	acagggaggg	aagaatgaac	1860
actccccatt	aacagatgga	aaaactgagg	cttagagata	gacaatcact	acaagtcagc	1920
tccagctttc	tgccatctag	ccagccccct	ttccccaatg	ctccatccca	accaggcacc	1980
tcttccttga	tgtttggggg	ctttgtggta	gcttatctta	gaagcactac	accttgccct	2040
gctgtttgtc	ctgagatgga	aaagtgtcct	tcttgctccc	cctcaataga	tctccagcgt	2100
cagctgctcc	ctggcattca	acaaatatct	actggcccc	actttgtggc	aatctgtggg	2160
ctacatgctg	gggtcaaggc	agtagaacct	caggccccct	tctcccatcc	ttgatgcaag	2220
tgcaacctcg	ctgagggcag	actggggcat	cctgtgccac	taaactacat	tgttcttatt	2280
ctggcatctt	agacctccac	acccgtgaga	aatcctggag	agggatattt	tgtataggat	2340
agactgtggc	tagtgacaaa	taaattagga	ccaagaaagc	tactgtagc	ttttagggaat	2400
aactttttaca	cgaccatttg	ataggggaact	ggggaatggg	gtatggaagt	tttctacac	2460
ttgagagaaa	aaataggata	acaaaaatta	aaagtctttt	tttctgggtc	cactgtgtta	2520
aggtcatttt	taaccagctt	gctttctaca	ccaagagtct	atgtttgttt	aatggctgga	2580
aagagaatct	tgagatcaaa	aaaccaataa	agatgtatct	ctacaacggc	tggtggagtg	2640
gtagagtgga	aagagcattg	ctttggaagt	tggaacattt	tagtttgaga	tccagaacgt	2700
tacaaaggtg	atatgtggac	ttcgctgac	tgggcctcag	tttccccatt	tgcacacgat	2760
gggggttgac	ttgattgtcc	tgctgatgac	atttccttgt	ctggatagag	taagacacta	2820
ctctctgaaa	gggagaatgg	tgtgcttaaa	tatttctttt	cttagataga	atcttcctga	2880
gccacgaggg	ttaacactga	aaattaaagg	tttgggatgt	aggaaagcct	gctgaatcat	2940
tttctaacct	accctttaac	ctgaacctgt	ttgtgagctt	ctagttcact	cacaggccac	3000
atggcctgga	acaaaatgca	acagattgca	aacaatgagg	cgggggggtg	ggaaagtgat	3060
tggcagcaga	gctcacccaa	taggggctag	gggctgggta	agacagaatt	ccaaacacag	3120
cgtaatcagc	caatcatggg	ctttggggcc	aggagggctg	aatggctcagg	tttattaatg	3180
gagaaataat	gcgattgtcc	acacaatgga	agccttcctg	acaaaggggc	tcaagcttcc	3240
tgatatgcaa	agaagctgag	aacggagctc	ttcctttgcc	gaggccgaga	tccattaagg	3300
tcggaactct	gtgtggaggc	tgcaaaatgt	gtggagcagg	aggagacttt	tctcccaatt	3360
gccccctctc	tgggttaggt	aacctaagag	accttcaagc	cagtgaatga	gaagggcgtg	3420
tccaggtgtc	tccaggtctc	tgggtgttat	agccccatat	ctgggacatt	ctgctgcccc	3480
gtctctgcct	ctggtgcagg	tagtttgtaa	atggtcgctt	gtacctttgt	gaagttcctg	3540
cagcttcgcc	gacctatgat	tacaaatcta	accttctagt	ccaggggaagg	aggtggggca	3600
ggcgacctat	aaatgatgga	tgactttaga	aaccatttga	accaggagc	aaaatgctcc	3660
taagggaaac	cctttccctc	ccctctgtgg	gtgaagaggg	atgggttgta	gccctccctt	3720
ctctgaatct	tcagctgaaa	gggatggcag	aatagagagg	tgggggaata	ataggattta	3780
taacttgtga	aaagtaacaa	ttccccaggt	gcaggtctgt	ctgggcagga	acaaagggca	3840
gctctgcccc	cagaccctct	atttacaatt	ctgatggggc	atgaaagagc	ccgactgggg	3900
aagatcttta	tagctaaact	ttgtcccagg	cggtagctc	tttctctcca	accctccgt	3960
gggggagggg	agagcctttg	cagactgggg	gctgttggtt	tgggtctgcc	ttttgttctt	4020
atctaagcct	tgctgtgcaa	aaggaaattg	gagaatattt	tccttcttgc	taatgtcccc	4080
tcctttcctt	cactgtgccc	ttaccacatt	acaaatgaat	cagctttctg	ctcacctcga	4140
tttgtatata	tctaaattgg	aaaaatgtct	cctaccttcc	caagcaccag	cgtagacagc	4200
taaagctgta	gggtctatgt	ttgtgtttct	catgggatgt	gtttcttctc	ttgatctctt	4260
ttctcggaca	gagaatgaag	aaattgatgt	tgtgacagta	gagaagaggc	agtctctggg	4320
tattcggaa	ccggtcacca	tcacggtgcg	agcagacccc	ctggatccct	gcatgaagca	4380
tttccacatc	tccatccatc	agcaacagca	caactatgct	gcccgttttc	ctccagaaag	4440
ctgctcccaa	gaagaggctt	cagagagggg	tccccagaa	gaggttctgg	agagagatgc	4500
tgaggggaa	aaggaagatg	aggaggatga	agagattgtg	agtccccac	ctgtagaaag	4560
tgaggctgcc	cagtctgcc	accccaaacc	tgtcagttct	gatactgagg	atgtgaccaa	4620
gaggaagaat	cacaacttcc	tggagcgcaa	gaggcggaat	gacctgcgtt	cgcgattctt	4680

```

ggcgctgagg gaccaggtgc ccacctgggc cagctgctcc aaggccccc aagtagtgat 4740
cctaagcaag gccttggaat acttgcaagc cctgggtggg gctgagaaga ggatggctac 4800
agagaaaaga cagctccgat gccggcagca gcagttgcag aaaagaattg catacctcag 4860
tggctactaa ctgacccaaa agcctgacag ttctgtctta cgaagacaca agtttatttt 4920
ttaacctccc tctccccctt agtaatttgc acattttggt tatgggtgga cagtctggac 4980
agtagatccc agaatgcatt gcagccggtg cacacacaat aaaggcttgc attcttgga 5040
accttgaaac ccagctctcc ctcttcctg actcatggga gtgctgtatg ttctctggcg 5100
cctttggctt ccagcagggc agctgactga ggagccttg ggctctgcta gctcactagc 5160
tctgaagaaa aggtgacag atgctatgca acaggtgggt gatgttgtca ggggctccag 5220
cctgcatgaa atctcacact ctgcatgagc tttaggctag gaaaggatgc tcccaactgg 5280
tgtctctggg gtgatgcaag gacagctggg cctggatgct ctccctgagg ctcttttttc 5340
cagaagacac acgagctgtc ttgggtgaag acaagcttgc agacttgatc aacattgacc 5400
attacctcac tgtcagacac ttacagtag ccaaggagtt ggaaaccttt atgtattatg 5460
atgttagctg acccccttcc tcccactccc aatgctgcga ccctgggaac acttaaaaag 5520
cttggcctct agattctttg tctcagagcc ctctgggctc tctctctga gggaggacc 5580
tttctttcct cacaagggac ttttttgttc cattatgctc tgttatgcaa tgggctctac 5640
agcacccttt ccacaggtc agaaatattt cccaagaca cagggaaatc ggtcctagcc 5700
tggggcctgg ggatagcttg gagtctggc ccatgaactt gatccctgcc cagggtgttt 5760
ccgaggggca cttgaggccc agtcttttct caaggcaggt gtaagacact cagagggaga 5820
actgtactgc tgctcttttc ccaccttctc catctcaatc cttgagcggc aagtttgaag 5880
ttcttctgga accatgcaaa tctgtcctcc tcatgcaatt ccaaggagct tgctggctct 5940
gcagccacct ctgggcccc tccagcctgc catgaatcag atatctttcc cagaatctgg 6000
gcgtttctga agttttgggg agagctgttg ggactcatcc agtgctccag aagggtggact 6060
tgcttctggg gggtttttaa ggagcctcca ggagatatgc ttagccaacc atgatggatt 6120
ttaccccagc tggactcggc agctccaagt ggaatccacg tgcagcttct agtctgggaa 6180
agtacccaa cctagcagtt gtcattgttg taacctcagg cacctctaag cctgtcctgg 6240
aagaaggacc agcagccct ccagaactct gccaggaca gcaggtgcct gctggctctg 6300
ggtttggaag tttgggggtg gttaggggtg gtaagtacta tatatggctc tggaaaacca 6360
gctgctactt ccaaacttat tgtccataat ggtttctttc tgaggttgct tcttggcctc 6420
agaggacccc aggggatgtt tggaaatagc ctctctaccc ttctggagca tggtttacia 6480
aagccagctg acttctggaa ttgtctatgg aggacagttt ggggtgaggt tactgatgtc 6540
tcaactgaat agcttgtgtt ttataagctg ctgttggcta ttatgctggg ggagtctttt 6600
ttttttatat tgtatttttg tatgcctttt gcaaagtggg gttaactgtt tttgtacaag 6660
gaaaaaaaact cttggggcaa tttcctgttg caagggtctg atttattttg aaaggcaagt 6720
tcacctgaaa ttttgaattt agttgtgatt actgattgcc tgattttaaa atgttgctt 6780
ctgggacatc ttctaataaa agatttctca aacatgtcag agtgggggca gcttatgcca 6840
cctgagtcct cctcaaccac ggaaaactat ttcagggtag ccacaagtga tccagagggc 6900
tgcacttctc taacctgtt gtaacctgg tcatccact ctgggttctc gaaatgccat 6960
ttcagacatg ttgaacaat gtaggctcag tactcagtga acacggaatt c 7011

```

<210> 444  
 <211> 3489  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

```

<400> 444
ctgcagggcc ccaacaaccc tcaccaaagg ccaagggtgg gaccgacgga ccacagcgg 60
gggtggctgg ggagtcgaaa ctgcacagtc tccactccac tcccaaccgt ggtgccccac 120
gcgggcctgg gagagtctgt gaggccgccc accgcttgtc agtagagtgc gcccgcgagc 180

```



cgtaacgaca	gccccggcaac	atgcggtctt	cagacaggaa	agtggccgcg	aatgggaccg	240
gggtgccag	cggctgtggg	gactctgtcc	tgcggaaacc	gcgggtgacga	gcacaagctc	300
ggtcaactgg	atgggaatcg	gcctgggggg	ctggcacccg	gcccaccagg	gggtttgcgg	360
cacttccctc	tgccctcag	cacccacccc	ctactctcca	ggaacgtgag	gtctgagccg	420
tgatgggtgg	aggaaggggc	cctctgtgcc	atccgagtcc	ccagggaccc	gcagctggcc	480
cccagccatg	tgcaaagtat	gtgcagggcg	ctggcaggca	gggagcagca	ggcatggtgt	540
cccctgaggg	gagacagtgg	tctgggaggg	agaggtcctg	gacctgagg	gaggtgatgg	600
ggcaatgctc	agccctgtct	ccggatgcc	aaggaggggt	gcggggaggc	cgtctttgga	660
gaattccagg	atgggtgctg	ggtgagagag	acgtgtgctg	gaactgtcca	gggcggaggt	720
gggccctgcg	ggggccctcg	ggagggccct	gctctgattg	gccggcaggg	caggggcggg	780
aattctggcg	ggccacccca	gttagaaaa	gcccgggcta	ggaccgagga	gcaggggtgag	840
ggaggggggtg	ggatgggtgg	ggggtaacgg	gggaaactgg	ggaagtgggg	aaccgagggg	900
caaccagggg	aagatgggg	gctggaggag	agcttgtggg	agccaaggag	caccttggac	960
atctggagtc	tggcaggagt	gatgacgggt	ggaggggcta	gctcgaggca	gggctggtgg	1020
ggcctgaggg	cagtgaggag	tgtggagt	gtgcccaggc	atcgtgcaga	cagggcgaca	1080
tcagctgggg	acgatggggc	tgagctaggg	ctggaaagaa	gggggagcca	ggcattcatc	1140
ccggtcactt	ttggttacag	gacgtggcag	ctggttggac	gaggggagct	ggtgggcagg	1200
gtttgatccc	agggcctggg	caacggaggt	gtagctggca	gcagcgggca	ggtgaggacc	1260
ccatctgccg	ggcaggtgag	tcccttccct	cccaggcct	cgttcccca	gccttctgaa	1320
agaaggaggt	ttaggggatc	gagggctggc	ggggagaagc	agacaccctc	ccagcagagg	1380
ggcaggatgg	gggcaggaga	gttagcaaag	gtgacatctt	ctcgggggga	gccgagactg	1440
cgcaaggctg	gggggttatg	ggcccgttcc	aggcagaaag	agcaagaggg	cagggagggga	1500
gcacaggggt	ggccagcgta	gggtccagca	cgtgggggtg	taccccaggc	ctgggtcaga	1560
cagggacatg	gcaggggaca	caggacagag	gggtccccag	ctgccacctc	acccaccgca	1620
attcatttag	tagcaggcac	aggggcagct	ccggcacggc	tttctcaggc	ctatgccgga	1680
gcctcgaggg	ctggagagcg	ggaagacagg	cagtgtcctg	ggagttgcag	caggacgtca	1740
ccaggagggc	gaagcggcca	cgggaggggg	gccccgggac	attgcgcagc	aaggaggctg	1800
caggggctcg	gcctgcgggc	gccggtccca	cgaggcactg	cggcccaggg	tctggtgcgg	1860
agagggccca	cagtggactt	ggtgacgctg	tatgccctca	ccgctcagcc	cctggggctg	1920
gcttggcaga	cagtacagca	tccaggggag	tcaagggcat	ggggcgagac	cagactaggc	1980
gaggcggggc	gggcggagt	aatgagctct	caggagggag	gatggtgcag	gcaggggtga	2040
ggagcgcagc	gggcggcgag	cgggaggcac	tggcctccag	agcccgtggc	caaggcgggc	2100
ctcgcggggc	gcgacggagc	cgggatcggt	gcctcagcgt	tcgggctgga	gacgaggggtg	2160
agtttttccc	cctctgccac	cctcagcccc	cacccgcccc	tccccacaca	accaacacgt	2220
tctcccacac	cgactctctc	gttctcccca	cagccaggtc	tccagctggg	gtggacgtgc	2280
ccaccagctg	ccgaaggcca	agacgccagg	tccggtggac	gtgacaagca	ggacatgaca	2340
tggtcgggtg	tgacggcgag	gacagaggag	gcgcgtccgg	ccttcctggt	gagcgtgtct	2400
gccctccctg	cgtcaggacg	gccctgcccc	gaccgccccg	cgccaccatc	tactgcccc	2460
gacctctgtc	ttctacagaa	caccttaggc	tgggtggggt	gcggcaagaa	gcgggtctgt	2520
ttctttactt	cctccacgga	gtcggcacac	tatggctgcc	ctctgggctc	ccagaaccca	2580
caacatgaaa	ggtgagggnc	ttcctgccac	acttgggggtg	gggggcacgc	gagaggagct	2640
gagtgggacc	tcaactcctt	ccccatccac	agaaatggtg	ctaccagct	caaggctggg	2700
cctttgaatc	cggacacaaa	accctctagc	ttggaaatga	atatgctgca	ctttacaacc	2760
actgcactac	ctgactcagg	aatcggctct	ggaaggtgag	caccagcgtc	ccttnggaag	2820
cctccaggcc	cccgagcacc	ctgcccccat	cccaccacg	tgtcgtatc	tctaggtgaa	2880
gctagaggaa	ccagacctca	tccagcccaac	atcaaagaca	ccatcggaac	agcagcgccc	2940
gcagcaccca	cccgcacccg	gcgactccat	cttcatggcc	accccctgcg	gtggacggtt	3000
gaccaccagc	caccacatca	tcccagagct	gagctcctcc	agcgggatga	cgccgtcccc	3060
accacctccc	tcttcttctt	tttcatcctt	ctgtctcttt	gtttctgagc	tttctgtct	3120
ttcctttttt	ctgagagatt	caaagcctcc	acgactctgt	ttcccccgtc	ccttctgaat	3180
ttaatttgca	ctaagtcat	tgcactgggt	ggagttgtgg	agacggcctt	gagtctcagt	3240
acgagtgtgc	gtgagtgtga	gccaccttgg	caagtgcctg	tgcagggccc	ggccgccctc	3300
catctggggc	gggtgactgg	gcgcgggctg	tgtgcccgag	gcctcacctc	gccctcgct	3360
agtctggaag	ctccgaccga	catcacggag	cagccttcaa	gcattccatt	acgccccatc	3420

tcgctctgtg cccctcccca ccagggttc agcaggagcc ctggactcat catcaataaa 3480  
cactgttac 3489

<210> 445  
<211> 1064  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 445  
cacagccggg tcgcaggcac ctcccnngcc agctctcccg cattctgcac agcttcccga 60  
cgcgctctgt gagcccatg gccacgcca cgctctccgc cgccccagc aatccccggc 120  
tcctgcggtt ggcgtctgtg ctctgtctcc tgggtggcag ccggcgcgca gcaggagcgt 180  
ccgtggtcac tgaactgcgc tgccagtgtc tgcagacact gcagggaatt cacctcaaga 240  
acatccaaag tgtgaatgta aggtcccccg gacccactg cgcccaaacc gaagtcatag 300  
ccacactcaa gaatgggaag aaagcttgct tcaacccgc atccccatg gttcagaaaa 360  
tcatcgaaaa gatactgaac aaggggagca ccaactgaca ggagagaagt aagaagctta 420  
tcagcgtatc attgacactt cctgcagggt ggtccctgcc cttaccagag ctgaaaatga 480  
aaaagagaac agcagctttc tagggacagc tggaaaaggga cttaatgtgt ttgactattt 540  
cttacgaggg ttctacttat ttatgtattt atttttgaaa gcttgtattt taatatTTTA 600  
catgctgtta tttaaagatg tgagtgtggt tcatcaaaca tagctcagtc ctgattatTT 660  
aattggaata tgatgggttt taaatgtgtc attaaactaa tatttagtgg gagaccataa 720  
tgtgtcagcc accttgataa atgacagggt ggggaactgg agggtngggg gattgaaatg 780  
caagcaatta gtggatcact gttagggtta gggaaatgat gtacacatct attttttata 840  
cttttttttt taaaaaagaa tgtcagttgt tattttattca aattatctca cattatgtgt 900  
tcaacatttt tatgtcgaag ttcccttag acattttatg tcttgcttgt agggcataat 960  
gccttgttta atgtccattc tgcagcgttt ctctttccct tggaaaagag aatttatcat 1020  
tactgttaca tttgtacaaa tgacatgata ataaaagttt tatg 1064

<210> 446  
<211> 3004  
<212> DNA  
<213> Homo sapiens

<400> 446  
ctcaattgga ggatcaaagt tgagaaaagt aatattcgac atttttcgat tcaacggagt 60  
ggccaccaag acgatgtcat agaagtctga acgagtctca gttccaattt ggtagaccac 120  
ttcatacatc tttgttggtt ttctgtgtta cttgggtcttt gttttctcct cgatgtacat 180  
tactgagcca gatataagat tgcttttggg tgctgcaga agccctgagc aaacaagtTT 240  
attgccacct tctactgcc aaaggccaga atcagaacag gacagtgaca ccgccccac 300  
aaaggcattg atgtccgtgc tttggccata attgacctc ataacaggag caatcatttc 360  
attgaggaac ttctcagaaa agccggcctt ttgcaagggt tcaagaagtg ttcgattaag 420  
cattccaagg aagtcatctc ctctagagc atgaagtaat ttttcgacac tactgaaggc 480  
atagtcatga gactggtagc ggtagatcct catgaacttg tctaacacgt cctctacca 540  
catgtgcata cggagggtt gaaatccata gcgccaaact aatttaata caatttaatt 600  
gaaccagtgt ctctcctcaa ataccagagt ctctccatta tatatcccca gtaggccacc 660  
cagaggctga tgctcaccat ggggcgcctg caactgggtt tggttgggct cacctgctgc 720  
tgggcagtgg cgagtgcgc gaagctgggc gccgtgtaca cagaagggtg gttcgtggaa 780  
ggcgtcaata agaagctcgg cctcctgggt gactctgtgg acatcttcaa gggcatcccc 840

ttcgcagctc	ccaccaaggc	cctggaaaat	cctcagccac	atcctggctg	gcaagggacc	900
ctgaaggcca	agaacttcaa	gaagagatgc	ctgcaggcca	ccatcaccca	ggacagcacc	960
tacggggatg	aagactgcct	gtacctcaac	atttgggtgc	cccagggcag	gaagcaagtc	1020
tcccgggacc	tgcccgttat	gatctggatc	tatggaggcg	ccttcctcat	ggggtccggc	1080
catggggcca	acttctcaa	caactacctg	tatgacggcg	aggagatcgc	cacacgcgga	1140
aacgtcatcg	tggtcacctt	caactaccgt	gtcggccccc	ttgggttcct	cagcactggg	1200
gacgccaatc	tgccaggtaa	ctatggtctt	cgggatcagc	acatggccat	tgcttgggtg	1260
aagaggaata	tcgcggcctt	cgggggggac	cccaacaaca	tcacgctctt	cggggagtct	1320
gctggagggtg	ccagcgtctc	tctgcagacc	ctctccccct	acaacaaggg	cctcatccgg	1380
cgagccatca	gccagagcgg	cgtggccctg	agtccctggg	tcatccagaa	aaaccactc	1440
ttctggggcca	aaaaggtggc	tgagaaggtg	ggttgccctg	tgggtgatgc	cgccaggatg	1500
gcccagtgtc	tgaaggttac	tgatccccga	gccttgacgc	tggcctataa	ggtgccgctg	1560
gcaggcctgg	agtaccccat	gctgcactat	gtgggcttcg	tccctgtcat	tgatggagac	1620
ttcatccccg	ctgacccgat	caacctgtac	gccaacgcgc	ccgacatcga	ctatatagca	1680
ggcaccaaca	acatggacgg	ccacatcttc	gccagcatcg	acatgcctgc	catcaacaag	1740
ggcaacaaga	aagtcacgga	ggaggacttc	tacaagctgg	tcagtgagtt	cacaatcacc	1800
aaggggctca	gaggcgccaa	gacgaccttt	gatgtctaca	ccgagtcctg	ggcccaggac	1860
ccatcccagg	agaataagaa	gaagactgtg	gtggactttg	agaccgatgt	cctcttcctg	1920
gtgcccaccg	agattgcctt	agcccagcac	agagccaatg	ccaagagtgc	caagacctac	1980
gcctacctgt	tttcccatcc	ctctcggatg	cccgctacc	ccaaatgggt	gggggcccgc	2040
catgcagatg	acattcagta	cgttttcggg	aagcccttcg	ccacccccac	gggctaccgg	2100
ccccaaagaca	ggacagtctc	taaggccatg	atcgcctact	ggaccaactt	tgccaaaaca	2160
ggggacccca	acatgggcga	ctcggctgtg	cccacacact	gggaacccta	cactacggaa	2220
aacagcggtc	acctggagat	caccaagaag	atgggcagca	gctccatgaa	gcgagagcctg	2280
agaaccaact	tcctgcgcta	ctggaccctc	acctatctgg	cgctgcccac	agtgaccgac	2340
caggaggcca	cccctgtgcc	ccccacaggg	gactccgagg	ccactcccg	gccccccacg	2400
ggtgactccg	agaccgcccc	cgtgccgccc	acgggtgact	ccggggcccc	ccccgtgccg	2460
cccacgggtg	actccggggc	cccccccg	ccgcccacgg	gtgactccgg	ggcccccccc	2520
gtgccgcccc	cgggtgactc	cggggccccc	cccgtgccgc	ccacgggtga	ctccggggcc	2580
ccccccgtgc	cgcccacggg	tgactccggg	gcccccccg	tgccgcccac	gggtgactcc	2640
ggcgcccccc	ccgtgcgcgc	cacgggtgac	gccggggccc	cccccggtgc	gccacgggtg	2700
gactccggcg	cccccccg	gccgcccacg	ggtgactccg	gggccccccc	cgtgaccccc	2760
acgggtgact	ccgagaccgc	ccccgtgccg	cccacgggtg	actccggggc	ccccctgtg	2820
ccccccacgg	gtgactctga	ggctgcccct	gtgcccccca	cagatgactc	caaggaagct	2880
cagatgcctg	cagtcattag	gttttagcgt	cccatgagcc	ttggtatcaa	gaggccacaa	2940
gagtgggacc	ccaggggctc	ccctcccatc	ttgagctctt	cctgaataaa	gcctcatacc	3000
cctg						3004

<210> 447

<211> 1065

<212> DNA

<213> Homo sapiens

<400> 447

gaattaggca	cgagagctcc	ttgccagctc	tcctcctcgc	acagccgctc	gaaccgctcg	60
ctgagcccca	tggcccgcg	cacgtctctc	gccgccccca	gcaatccccg	gctcctgcga	120
gtggcgctgc	tgctcctgct	cctggtggcc	gccagccggc	gcgcagcagg	agcgccctcg	180
gccactgaac	tgcgtgccca	gtgcttgacg	acctgcagg	gaattcacct	caagaacatc	240
caaagtgtga	aggtgaagtc	ccccggaccc	cactgcgccc	aaaccgaagt	catagccaca	300
ctcaagaatg	ggcagaaagc	ttgtctcaac	ccgcgatcgc	ccatggttaa	gaaaatcatc	360
gaaaagatgc	tgaaaaatgg	caaatccaac	tgaccagaag	gaaggaggaa	gcttattggg	420
ggctgttcct	gaaggagccc	tgctttacag	gaacagaaga	ggaaagagag	acacagctgc	480
agaggccacc	tggattgcgc	ctaattgtgt	tgagcatcac	ttaggagaag	tcttctatct	540

atttattttat	ttattttattt	atttgtttgt	tttagaagat	tctatgttaa	tattttatgt	600
gtaaaataag	gttatgattg	aatctacttg	cacactctcc	cattatattt	attgtttatt	660
ttaggtcaaa	cccaagttag	ttcaatcctg	attcataattt	aatttgaaga	tagaaggttt	720
gcagatattc	tctagtcatt	tgtaaataatt	tcttcgtgat	gacatatcac	atgtcagcca	780
ctgtgataga	ggctgaggaa	tccaagaaaa	tggccagtaa	gatcaatgtg	acggcaggga	840
aatgtatgtg	tgtctatttt	gtaactgtaa	agatgaatgt	cagttgttat	ttattgaaat	900
gatttcacag	tgtgtgggtca	acatttctca	tgttgaagct	ttaagaacta	aaatgttcta	960
aatatccctt	ggacatttta	tgtctttctt	gtaagatact	gccttgttta	atgttaatta	1020
tgcagtgttt	ccctctgtgt	tagagcagag	aggtttcgat	attta		1065

<210> 448

<211> 3984

<212> DNA

<213> Homo sapiens

<400> 448

gtcctttcac	gcgtgtcttc	gtgttgggtgc	gcttttctact	ggtcataaag	tgctgctcac	60
ggccgtgaac	tgctacagcg	tgaaggccgc	caccgcgggtc	caggatgctt	ttgccgccgc	120
caagctcctg	gccctggccc	tgatcatcct	gctgggcttc	gtccagatcg	ggaaggggtga	180
tgtgtccaat	ctagatccca	agttctcatt	tgaaggcacc	aaactggatg	tggggaacat	240
tgtgctggca	ttatacagcg	gcctctttgc	ctatggagga	tgggaattact	tgaatttcgt	300
cacagaggaa	atgatcaacc	cctacagaaa	cctgcccctg	gccatcatca	tctccctgcc	360
catcgtgacg	ctggtgtacg	tgctgaccaa	cctggcctac	ttcaccaccc	tgtccaccga	420
gcagatgctg	tgcgccgagg	ccgtggccgt	ggacttcggg	aactatcacc	tgggcgtcat	480
gtcctggatc	atccccgtct	tccgtggcct	gtcctgcttt	ggctccgtca	atgggtccct	540
gttcacatcc	tccaggctct	tcttcgtggg	gtcccgggaa	ggccacctgc	cctccatcct	600
ctccatgate	cacccacagc	tccctacccc	cgtgccgtcc	ctcgtgttca	cgtgtgtgat	660
gacgtgtctc	tacgccttct	ccaaggacat	cttctccgtc	atcaacttct	tcagcttctt	720
caactggctc	tgcgtggccc	tggccatcat	cggcatgate	tggctgcgcc	acagaaagcc	780
tgagcttgag	cggcccatca	aggtgaacct	ggccctgcct	gtgttcttca	tcctggcctg	840
cctcttcctg	atcgccgtct	ccttctggaa	gacaccctg	gagtgtggca	tcggcttcac	900
catcatcctc	agcgggctgc	ccgtctactt	cttcggggtc	tgggtggaaaa	acaagcccaa	960
gtggctcctc	cagggcatct	tctccacgac	cgtcctgtgt	cagaagctca	tgcaggtggt	1020
cccccaggag	acatagccag	gaggccgagt	ggctgccgga	ggagcatgcg	cagaggccag	1080
ttaaagtaga	tcacctctc	gaaccactc	cggttccccg	caaccacag	ctcagctgcc	1140
catcccagtc	ctcgccgtcc	ctcccaggtc	gggcagtggg	ggctgctgtg	aaaactctgg	1200
tacgaatctc	atccctcaac	tgagggccag	ggaccagggt	gtgcctgtgc	tcctgccag	1260
gagcagcttt	tgggtctcctt	gggccctttt	tcccttccct	cctttgttta	cttatatata	1320
tatttttttt	aaacttaaat	tttgggtcaa	cttgacacca	ctaagatgat	tttttaagga	1380
gctgggggaa	ggcaggagcc	ttcctttctc	ctgccccaa	ggcccagacc	ctgggcaaac	1440
agagctactg	agacttgga	cctcattgct	accacagact	tgcactgaag	ccagacagct	1500
gccagacac	atgggcttgt	gacattcgtg	aaaaccaacc	ctgtgggctt	atgtctctgc	1560
cttaggggtt	gcagagtggg	aactcagccg	taggggtggc	ctgggagggg	gtgggggatc	1620
tgggcaagg	gggtgattcc	tcccaggagg	tgcctgaggg	cccgatggac	tcctgaccat	1680
aatcctagcc	ccgagacacc	atcctgagcc	agggaacagc	cccagggttg	gggggtgccg	1740
gcatctcccc	tagctcacca	ggcctggcct	ctgggcagtg	tggcctcttg	gctatttctg	1800
ttccagtttt	ggaggctgag	ttctggttca	tgcagacaaa	gccctgtcct	tcagtcttct	1860
agaaacagag	acaagaaagg	cagacacacc	gcggccaggc	acccatgtgg	gcgcccaccc	1920
tgggctccac	acagcagtg	ccccgcccc	agaggctcgca	gctaccctca	gcctccaatg	1980
cattggcctc	tgtaccgccc	ggcagccctt	tctggccggg	gctgggttcc	cactcccggc	2040
ctaggcacct	ccccgtctct	cctgtcacgc	tcatgtcctg	tcctgggtcct	gatgcccggt	2100
gtctaggaga	cagagccaag	cactgtctac	gtctctgccc	cctgcgtttg	gaggcccttg	2160
ggctctcacc	cagtccccac	ccgcctgcag	agagggaact	agggcacccc	ttgtttctgt	2220

tggtcccggtg	aattttttttc	gctatgggag	gcagccgagg	cctggccaat	gcggccact	2280
ttcctgagct	gtcgtgcct	ccatggcagc	agccaaggac	ccccagaaca	agaagacccc	2340
cccgcaggat	ccctcctgag	ctcggggggc	tctgccttct	caggcccccg	gcttcccttc	2400
tccccagcca	gaggtggagc	caagtggtec	agcgtcactc	cagtgtcag	ctgtggctgg	2460
aggagctggc	ctgtggcaca	gccctgagtg	tcccaagccg	ggagccaacg	aagccggaca	2520
cggcttcact	gaccagcggc	tgctcaagcc	gcaagctctc	agcaagtgcc	cagtggagcc	2580
tgccgcccc	acctgggcac	cgggaccccc	tcaccatcca	gtgggcccgg	agaaacctga	2640
tgaacagttt	ggggactcag	gaccagatgt	ccgtctctct	tgcttgagga	atgaagacct	2700
ttattcaccc	ctgccccgtt	gcttcccgtc	gcacatggac	agacttcaca	gcgtctgctc	2760
ataggacctg	catccttcc	ggggacgaat	tccactcgtc	caagggacag	cccacggctc	2820
ggagggccgag	gaccaccagc	aggcaggtgg	actgactgtg	ttgggcaaga	cctcttccct	2880
ctgggcctgt	tctcttggct	gcaaataagg	acagcagctg	gtgccccacc	tgcttgggtgc	2940
attgctgtgt	gaatccagga	ggcagtggac	atcgtaggca	gccacggccc	caggtccagg	3000
agaagtgtct	cctggaggca	cggaccactg	cttcccactg	gggcccggcg	ggccccacga	3060
cgacgtcagc	ctcttacctt	cccgcctcgg	ctaggggtcc	tcgggatgcc	gttctgttcc	3120
aacctcctgt	tctgggaggt	ggacatgcct	caaggatata	gggagccggc	ggcctctcga	3180
cggcacgcac	ttcctgttgg	ctgctgcggc	tgtgggcgag	catgggggct	gccagcgtct	3240
gttgtggaaa	gtagctgcta	gtgaaatggc	tggggccgct	ggggtccgtc	ttcacactgc	3300
gcaggtctct	tctgggcgtc	tgagctgggg	tgggagctcc	tccgcagaag	gttgggtggg	3360
ggtccagctc	gtgatccttg	gtgctgtgtg	ccccactcca	gcctggggac	cccacttcag	3420
aaggtagggg	ccgtgtccc	cgggtgtgac	tgaggcctgc	ttccccctcc	ccctcctgct	3480
gtgctggaat	tccacagggg	ccagggccac	cgcaggggac	tgtctcagaa	gacttgattt	3540
ttccgtccct	ttttctccac	actccactga	caaacgtccc	cagcggtttc	cacttgtggg	3600
cttcagggtg	tttcaagcac	aaccaccac	aacaagcaag	tgcattttca	gtcgttgtgc	3660
ttttttgttt	tgtgctaacg	tcttactaat	ttaaagatgc	tgtcggcacc	atgtttattt	3720
atttccagtg	gtcatgctca	gccttgcctg	tctgcgtggc	gcaggtgcca	tgcttgcctc	3780
ctgtctgtgt	cccagccacg	cagggccatc	cactgtgacg	tcggccgacc	aggctggaca	3840
ccctctgccg	agtaatgacg	tgtgtggctg	ggaccttctt	tattctgtgt	taatggctaa	3900
cctgttacac	tgggctgggt	tgggtagggt	gttctggctt	ttttgtgggg	tttttatttt	3960
taaagaaaca	ctcaatcatc	ctag				3984

<210> 449

<211> 2113

<212> DNA

<213> Homo sapiens

<400> 449

gtgcggttgg	gaacgcggag	cggacggatt	cgattcaacg	gggttccgga	ccgcgctgcg	60
ctatggagca	ggtcaatgag	ctgaaggaga	aaggcaacaa	ggccctgagc	gtgggtaaca	120
tcgatgatgc	cttacagtgc	tactccgaag	ctattaagct	ggatccccac	aaccacgtgc	180
tgtacagcaa	ccgttctgct	gcctatgcc	agaaaggaga	ctaccagaag	gcttatgagg	240
atggctgcaa	gactgtcgac	ctaaagcctg	actggggcaa	gggctattca	cgaaaagcag	300
cagctctaga	gttcttaaac	cgttttgaag	aagccaagcg	aacctatgag	gagggcttaa	360
aacacgaggc	aaataaccct	caactgaaag	agggtttaca	gaatatggag	gccaggttgg	420
cagagagaaa	attcatgaac	cctttcaaca	tgctaatct	gtatcagaag	ttggagagtg	480
atcccaggac	aaggacacta	ctcagtgatc	ctacctaccg	ggagctgata	gagcagctac	540
gaaacaagcc	ttctgacctg	ggcacgaaac	tacaagatcc	ccggatcatg	accactctca	600
gcgtcctcct	tggggctgat	ctgggcagta	tggatgagga	ggaagagatt	gcaacacctc	660
caccaccacc	ccctcccaaa	aaggagacca	agccagagcc	aatggaagaa	gatcttccag	720
agaataagaa	gcaggcactg	aaagaaaaag	agctggggaa	cgatgcctac	aagaagaaag	780
actttgacac	agccttgaag	cattacgaca	aagccaagga	gctggacccc	actaacatga	840
cttacattac	caatcaagca	gcggtatact	ttgaaaaggg	cgactacaat	aagtgccggg	900
agctttgtga	gaaggccatt	gaagtgggga	gagaaaaccg	agaagactat	cgacagattg	960

ccaaagcata	tgctcgaatt	ggcaactcct	acttcaaaga	agaaaagtac	aaggatgcca	1020
tccatttcta	taacaagtct	ctggcagagc	accgaacccc	agatgtgctc	aagaaatgcc	1080
agcaggcaga	gaaaatcctg	aaggagcaag	agcggctggc	ctacataaac	cccagacctg	1140
ctttggagga	gaagaacaaa	ggcaacgagt	gttttcagaa	aggggactat	ccccaggcca	1200
tgaagcatta	tacagaagcc	atcaaaagga	acccgaaaga	tgccaaatta	tacagcaatc	1260
gagctgectg	ctacacccaa	ctcctggagt	tccagctggc	actcaaggac	tgtgaggaat	1320
gtatccagct	ggagccgacc	ttcatcaagg	gttatacacg	gaaagccgct	gcgctggaag	1380
cgatgaagga	ctacacccaa	gccatggatg	tgtaccagaa	ggcgctagac	ctggactcca	1440
gctgtaagga	ggcggcagac	ggctaccagc	gctgtatgat	ggcgcagtag	aaccggcacg	1500
acagccccga	agatgtgaag	cgacgagcca	tggccgaccc	tgaggtgcag	cagatcatga	1560
gtgaccacgc	catgcgcctt	atcctggaac	agatgcagaa	ggacccccag	gcactcagcg	1620
aacacttaaa	gaatcctgta	atagcacaga	agatccagaa	gctgatggat	gtgggtctga	1680
ttgcaattcg	gtgatgactt	gttcatcccc	ccttcccttc	gccctcatgt	ggaaagagga	1740
gctgggaccg	cggcgagcag	cacggagcgg	aaggagagag	aggggagaga	aggcctcatc	1800
tctctatatt	tatacataac	cccggggaag	acacagagac	tcgtacctgc	gctgtttgtg	1860
ccgcegetgc	ctctggggccc	tcccagcaca	cgcagtgtct	cttcaccgct	gccctcgagt	1920
tccatgtctc	tttccctctg	ccctagtgtg	tgtctcggct	gctctcccat	agttgggttt	1980
ttttttatct	ggggcagtg	gcatgttatg	gggaggggag	gggggtcttc	cagcctcagg	2040
tcccagctgt	ctcacgttgt	ttattctgcg	tccccttctc	caataaaaca	agccagttgg	2100
gcgtggttat	aac					2113

<210> 450

<211> 2372

<212> DNA

<213> Homo sapiens

<400> 450

gcaccgcgcg	agcttggtcg	cttctggggc	ctgtgtggcc	ctgtgtgtcg	gaaagatgga	60
gcaagaagcc	gagcccaggg	ggcggccgcg	acccctctga	ccgagatcct	gctgctttcg	120
cagccaggag	caccgtccct	ccccggatta	gtgctgacga	gcgcccagtg	ccctggccccg	180
gagagtggaa	tgatccccga	ggcccagggc	gtcgtgcttc	cgcagtagtc	agtccccgtg	240
aaggaaactg	gggagtcttg	agggaccccc	gactccaagc	gcgaaaaccc	cggatgggtga	300
ggagcaggca	aatgtgcaat	accaacatgt	ctgtacctac	tgatgggtgct	gtaaccacct	360
cacagattcc	agcttcggaa	caagagaccc	tggttagacc	aaagccattg	cttttgaagt	420
tattaaagtc	tgttggtgca	caaaaagaca	cttatactat	gaaagagggt	cttttttatc	480
ttggccagta	tattatgact	aaacgattat	atgatgagaa	gcaacaacat	attgtatatt	540
gttcaaata	tcttctagga	gatttggttg	gcgtgccaa	cttctctgtg	aaagagcaca	600
ggaaaatata	taccatgatc	tacaggaact	tggtagtagt	caatcagcag	gaatcatcgg	660
actcaggtac	atctgtgagt	gagaacaggt	gtcaccttga	aggtgggagt	gatcaaaagg	720
accttgtaca	agagcttcag	gaagagaaac	cttcatcttc	acatttggtt	tctagaccat	780
ctacctcatc	tagaaggaga	gcaattagt	agacagaaga	aaattcagat	gaattatctg	840
gtgaacgaca	aagaaaacgc	cacaaatctg	atagtatttc	cctttccttt	gatgaaagcc	900
tggctctgtg	tgtaataagg	gagatatgtt	gtgaaagaag	cagtagcagt	gaatctacag	960
ggacgccatc	gaatccggat	cttgatgctg	gtgtaagtga	acattcaggt	gattgggttg	1020
atcaggattc	agtttcagat	cagtttagtg	tagaatttga	agttgaatct	ctcgactcag	1080
aagattatag	ccttagtgaa	gaaggacaag	aactctcaga	tgaagatgat	gaggatatatc	1140
aagttactgt	gtatcaggca	ggggagagtg	atacagattc	atttgaagaa	gatcctgaaa	1200
tttcccttagc	tgactattgg	aaatgcactt	catgcaatga	aatgaatccc	ccccttccat	1260
cacattgcaa	cagatgttgg	gcccttcgtg	agaattggct	tcctgaagat	aaagggaaaag	1320
ataaagggga	aatctctgag	aaagccaaac	tggaaaactc	aacacaagct	gaagagggct	1380
ttgatgttcc	tgattgtaaa	aaaactatag	tgaatgattc	cagagagtca	tgtgttgagg	1440
aaaatgatga	taaaattaca	caagcttcac	aatcacaaga	aagtgaagac	tattctcagc	1500
catcaacttc	tagtagcatt	atttatagca	gccaagaaga	tgtgaaagag	tttgaaaggg	1560

aagaaaccca	agacaaagaa	gagagtgtgg	aatctagttt	gccccttaat	gccattgaac	1620
cttgtgtgat	ttgtcaaggt	cgacctaaaa	atggttgcat	tgtccatggc	aaaacaggac	1680
atcttatggc	ctgctttaca	tgtgcaaaga	agctaaagaa	aaggaataag	ccctgcccag	1740
tatgtagaca	accaattcaa	atgattgtgc	taacttattt	cccctagttg	acctgtctat	1800
aagagaatta	tatatattcta	actatataac	cctaggaatt	tagacaacct	gaaatttatt	1860
cacatatatc	aaagtgagaa	aatgcctcaa	ttcacataga	tttcttctct	ttagtataat	1920
tgacctactt	tggtagtggg	atagtgaata	cttactataa	tttgacttga	atatgtagct	1980
catcctttac	accaactcct	aatttttaaat	aatttctact	ctgtcttaaa	tgagaagtac	2040
ttgggttttt	ttttcttaaa	tatgtatatg	acatttaaat	gtaacttatt	atTTTTTTTg	2100
agaccgagtc	ttgctctggt	accagggtg	gagtgacgtg	ggtgatcttg	gtcactgca	2160
agctctgccc	tccccgggtt	cgcaccattc	tcctgctca	gcctcccaat	tagcttggcc	2220
tacagtcac	tgccaccaca	cctgggcta	tttttgtact	tttagtagag	acagggtttc	2280
accgtgttag	ccaggatggt	ctcgatctcc	tgacctcggt	atccgcccac	ctcggcctcc	2340
caaagtgtcg	ggattacagg	catgagccac	cg			2372

<210> 451  
<211> 1618  
<212> DNA  
<213> Homo sapiens

<400> 451						
atgtcccggc	cgcagcttcg	acgctggcgc	ctcgtctcta	gcccgcgag	cggcgtcccg	60
ggtctagcgc	tgctggcgct	gctggcgctg	ctggcgctgc	ggctcgcggc	cgggaccgac	120
tgcccattgcc	cggagcctga	gctctgccgc	ccgattcgcc	accatccaga	tttcgaggtc	180
tttgtgtttg	atggttgaca	gaaaacttgg	aaactctatg	attggtcaca	gattacaact	240
gtggcaacat	ttgaaaaata	tgactcagaa	cttatgtgct	acgctcattc	aaaaggagcc	300
agagtagtac	ttaaaggaga	tgtatcctta	aaggatatca	ttgatcctgc	tttcagagca	360
tcctggatag	ctcaaaaact	taatttggcc	aaaacacaat	atatggatgg	aattaatata	420
gatatagagc	aagaagttaa	ttgtttatca	cctgaatatg	atgcattaac	tgcttttagtc	480
aaagaaacta	cagactcttt	ccatcgtgaa	attgagggat	cacaggtaac	ctttgatgta	540
gcttggtctc	caaagaacat	agacagaaga	tgctataatt	atactggaat	cgcagatgct	600
tgtgacttcc	tcttttgtgat	gtcttatgat	gaacaaagtc	agatctggtc	agaatgtatt	660
gcagcagcca	atgctcccta	ttaacagaca	ttactggat	ataatgacta	catcaagatg	720
agcattaatc	ctaagaaaact	tgtaatgggt	gttccttggg	atggttatga	ttatacctgc	780
ctgaatctgt	ctgaggatca	tgtttgtacc	attgcaaaag	tccctttccg	gggggctcct	840
tgtagtgcag	ctgcaggacg	tcagggtgcc	tacaaaacga	tcatgaagca	aataaatagt	900
tctatttctg	gaaacctatg	ggataaagat	cagcgggctc	cttattataa	ctataaagat	960
cctgctggcc	actttcatca	agtatggtat	gataaccctc	agagtatttc	tttaaaggca	1020
acatatatac	aaaactatcg	cttacggggc	attggcatgt	ggaatgcaaa	ctgtcttgac	1080
tactctggag	atgctgtagc	caaacagcaa	actgaagaaa	tgtgggaagt	cttaaagcca	1140
aagctgttac	agagatgaac	atcttttgtc	aaaccattaa	gagttagaaa	gatgatctgt	1200
atcaacagat	ctagtttctt	gcatttttat	tatgttgcta	tatacttttg	ttatccgtat	1260
actaaaaaaaa	aagaataaat	aaatgttttg	attgtttgaa	tttgaaaaat	acacacgaat	1320
gtcctcagta	tccaggaaca	taaaggcaag	aagcaagtca	acttacctat	taaatatctc	1380
tctattagat	gtttcaacac	tataatttaa	ttgggaaaaa	ttgctttcag	aattttatta	1440
tgccatattt	cccttcatta	tagtaaaata	tatgctcacg	aatcaatgct	gattttttaa	1500
atatgtataa	tctgaagtgg	aaattgtttg	cttagagttt	ttaaaaacct	agtctttgaa	1560
aagcagtttg	tgctatactt	ttcccccaac	cctccaataa	atcttaaatt	taaaacct	1618

<210> 452  
<211> 1717  
<212> DNA

<213> Homo sapiens

<400> 452

cgcctaccgt	ctccttcaag	gcactttctt	agacacccgg	gcaccaggca	gatgcacccc	60
ccaacacacc	caccccaagc	aagtcacaaa	tcagcctgct	ccaactgtct	tatggggagg	120
gtgtgagaga	ggtgccc aaa	ggcccctaaa	aggtagcct	ctcctctctc	cccacagggg	180
tgaatgtgat	gctgaggaag	attgctgtgg	ctgcagcgtc	caagccagca	gtggagatca	240
aacaggaggg	agacactttc	tacatcaaaa	cctccaccac	cgtgcgcacc	acagagatta	300
acttcaaggt	tggggaggag	tttgaggagc	agactgtgga	tgggaggccc	tgt aagggtga	360
gtgccagaag	gggctccagg	gtcatggcgt	cattggccctg	cctctcaacc	tgccattttc	420
caggctagca	gttaactcct	agcttctctc	tgtcccagta	gggaaaatcc	ctaggtagtg	480
gtggggggcta	gaaaggggct	ctctccctta	tcctctctac	tgcattgccc	ctgctatggg	540
cccagctcac	ttggccacct	gtctcttgca	gagcctgggtg	aaatgggaga	gtgagaataa	600
aatggctctgt	gagcagaagc	tcctgaaggg	agagggcccc	aagacctcgt	ggaccagaga	660
actgaccaac	gatgggg aac	tgatcctggg	aagtcctgcc	tcctccccac	taatagcaaa	720
cccagtgcta	ccttccaaga	ttctctggga	gaccccaggg	tgcaggagac	tcaagaacaa	780
ccatggctgg	actccgcacc	ctgctgatgg	gactgcttga	acagaactaa	gggtgcccta	840
tcccatacag	tgccctgtgt	gaattagaaa	tgggtttcct	tttatgcaag	caaagggcat	900
gtactgaggg	atcccagcag	ttcttcaggg	agatcttctc	ggcttgagga	ggaggacggg	960
ccccagggct	ctattgctat	cctccctcca	ttgatgcctg	ggcattctgg	gaccagctcc	1020
tgcctgtttg	tcttgagcca	agaagcaggt	ttggacctgg	aggccaagca	gagtacctcc	1080
attcaaccct	cctctccaaa	gccacaggac	cccagggggc	tctcaggcta	acaactactt	1140
ctgtccttcc	agaccatgac	ggcggatgac	gttgtgtgca	ccaggggtcta	cgtccgagag	1200
tgagtggcca	caggtagaac	cgcggccgaa	gccaccact	ggccatgctc	accgcctgac	1260
ttcactgccc	cctccgtccc	acccctctct	tctaggatag	cgtctccctt	acccactca	1320
cttctggggg	tactgggat	gcctcttgca	gggtcttgct	ttctttgacc	ttctctctcc	1380
tccctacac	caacaaagag	gaatggctgc	aagagcccag	atcaccatt	ccgggttcac	1440
tccccgcctc	cccaagtcag	cagtcctagc	cccaaaccag	cccagagcag	ggtctctcta	1500
aaggggactt	gagggcctga	gcaggaaaga	ctggccctct	agcttctacc	ctttgtccct	1560
gtagcctata	cagtttagaa	tatttatttg	ttaattttat	taaaatgctt	taaaaaata	1620
aaacctgtct	ctggctcatt	gggcaggtag	ataagtcacc	tgagttcaac	cttgcctctg	1680
aaatgtagta	tgggaaagac	ttgtgtttct	gcagcat			1717

<210> 453

<211> 330

<212> DNA

<213> Homo sapiens

<400> 453

tgtggataaa	tatattagca	aataaatata	tttcttaaca	tagtgctga	ttcaagcgtc	60
tgtctgggtc	agatataaat	acccatgtgg	gtacctaggt	gctagtctcc	ccactaactg	120
agggaaaaag	gttcccaggt	ggggctctct	gcccactttg	ccaccacatt	cacattccaa	180
atgggataat	gcctgagggg	ccaagagtgg	tcaggctgcc	ctgggggtgaa	tgtcaccctg	240
atgaggccca	tcagctcttg	tccactcagt	gaggccagac	ttgtgctcta	atccactctc	300
ctgtgggtcc	ctggcctgta	tggcttatac				330

<210> 454

<211> 537

<212> DNA

<213> Homo sapiens

<220>



<221> misc\_feature  
<223> n=a,t,g or c

<400> 454  
tcttttataaaa aataaatatt tataaaactta aggaagattc aaagaatcag ggtatctttt 60  
cctccaaaaa cacaaatgtc ccgtgtaagt caaaccaagg tgcgaccacc aacctatgaa 120  
tgaagtcctc tccccctgca gctacagggg tgaggggagc gtgggcaggg gagctgctct 180  
ctctcctgcc ttcagtcctc cttgggtgat aggtcctcaa tgtaggcgctc cagctcatca 240  
tctgtgttga tgtctatgtc ctctgcacc ttttgaggga gtgccacgat gttggctctc 300  
agcttctgca gcttctctc cgtctcggcg ganttcctc tcggagggtgc gcaggcttct 360  
ctcggaggcc ttggccggga gtcagcacgg ctctggtagg aattgcacag gttttggagc 420  
cctacttcat attgcttgaa gtactccttc agaggaaaag atattagctc atctgaattc 480  
atagactca gctgcttctt ggagatgggg aaacttggaa ggcaggaagt anccgta 537

<210> 455  
<211> 465  
<212> DNA  
<213> Homo sapiens

<400> 455  
caacagccaa ataaaaactt tattactttt taggcttgac atctttaaca gtagaacaag 60  
atcactcatg ataaatctgg aagatgcaga tgggaagacag tgcttgaagc ccaaacaat 120  
gatttactac aagtaattaa aagcagaata tgagaaaagc agcagtgtaa atgacgtaaa 180  
cattaaaaaa tatattagtt tgtatatctt cccaggaag tctcacagga agcacaggac 240  
acctgtgcgg ctggttgggc atcctgggta cttcttgccc tcagggtgaac tcccatctct 300  
ttagtttaga ccagaatcca cctggcttgt aggagaggaa ctacatggga gaagctgcat 360  
tgaggctttt attattaata cctatgactc aaggaaatacc agccttgggg gtgctttggg 420  
gcctggggag ggaagtgact ggctctcctg gctacactgg agact 465

<210> 456  
<211> 295  
<212> DNA  
<213> Homo sapiens

<400> 456  
caagtttctt cagagttttt aattattatt attattttta taacaacctg aatcccagaa 60  
cttccagata ctgtccacac tccctccctt gggcagagga gaggaggcac ctcaaggga 120  
caagatgggg gtgggggtgtc tgccggggag cctccgactc cccaagccg tctactgctg 180  
gggggtccca ggaggagggg tgggggttgg tccctccca gaggggctcc ctctgacgcc 240  
ccgtcctgaa gccctccctc ctccatcaag gctgggggatg atgaggagat ggggc 295

<210> 457  
<211> 488  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 457



```

caggcaaaag caccgtgtgt ttatTTTTcc cattcccttc ctttatctgc aatgcttttt 120
tctttaaggc agcctaattt acaagcttgg ccttgaatta aaagagaacc cagaacccgc 180
tcttgaggtt tacgttctca aaccaacatc agagcaactg tctatcccca tataaataaa 240
gttatctacc cctgctccta actgggtaca agttatgact acaactcagt gattttttaa 300
attagtgtgc ctatttggtg aaatctgtga acttaatcaa 340

```

```

<210> 461
<211> 470
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> n=a,t,g or c

```

```

<400> 461
aggattcaaa cattctaggc ttttaattctt tacctgatgt actcatagaa gtaagtcggc 60
ctcgttccag gggaggagcc catttgacat atatttcaaa ctgggctggt gcaactatcc 120
cctgggctgc tcctgaact gctcgacata caacgacca agctactcca attccagctg 180
ctgggtggat gagcaggctt aacacagagc tgaggcataa tgcaaagcca atcattttct 240
ttgtagaata tattccagag aagtatccaa caggaacttg gatgatgatg acaccatagg 300
aggtggaact caagatgatt ccctgggata tctgggctcc aattatacat agggttcttt 360
tatattatcc aggaagcttc tttgtggagg tgttnggcaa accatgtgga tctgtggcta 420
ttcaccatga ctaccattgt gaggttcagg cacgcacgct gtgctggtta 470

```

```

<210> 462
<211> 320
<212> DNA
<213> Homo sapiens

```

```

<400> 462
cacagtggca gattttcttt aatagatata tttcaaacag atacaacaaa ttaaaaaatc 60
taattcacgg caggtaaaca tgggtgctca aaaagttcca catagacatt tacacttggg 120
ccatcagtat ttccctcaca ttcccttttg ttaagtccca tcttcgcagt ggcagtacag 180
gagaaatctc caccgtcacc gcacaatcca ccaggcgcac taccacctga agtgaaggtc 240
tcatctcgaa ggtgcgctca gccataaaaa gaaaacatat tacagaaagg aaaaataagt 300
gtgctcttcc caccgcaaa 320

```

```

<210> 463
<211> 418
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> n=a,t,g or c

```

```

<400> 463
aaaatcaaaa cacacgcaaa aatatattac tactcatttg agggtagcct gttatgaagg 60
tataatttat atataataaa attcattatt ttttagttac agagttctat gagttttggc 120
aaatgcattc aatgccatca ctactacaat caagatatag aacagctcca tcacttcaaa 180

```

caattttctt	gtgtcttttt	tcatcaattc	ttcctccaac	tcacagcaca	gatctgtttg	240
ctgatactgt	agttttttaa	atgccatatg	gattatatac	agtatgtagc	attttaagtc	300
tgacttcctc	taattaagca	taatgcattt	gatgtaactc	caagttgttg	cangtattgg	360
ggtgctcatt	tctttttatt	actgagtagt	atttccactg	tatgaataca	ccatagtn	418

<210> 464  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 464						
agtctcactc	tggtgctcag	gctggagtgc	agtgggtgtaa	ggacggccca	atgcagcttc	60
aacctcctga	gctcaagcaa	tctctctgcc	ttagcctcct	gagcagctga	gactacaggc	120
atgcgccact	gtgccagggt	atttttttaa	atttttgtag	agatagagtc	tcattctggt	180
gcctaggctg	gggtctcaa	tcctagactc	aagccatcct	cacacctcag	cctcccaaag	240
tgctgggatt	acaggtgtga	gcctccacgt	ctggcctgga	aattttttaa	aaacatattt	300
tcaggatcaa	gttagaaatt	ataatnggaa	ttgtaaaaat	actaaaaatt	gggggtgataa	360
tgacaacatc	acattaccaa	aatttggtgg	ggttcagtaa	aagctctatt	tcaatctaaa	420
tttatagtgt	aagt					434

<210> 465  
 <211> 417  
 <212> DNA  
 <213> Homo sapiens

<400> 465						
ttccagttaa	tttagtcctt	tatttttttc	attctccata	gaatattggg	tttgtaacaa	60
cgaatacaat	ccaatatata	acattaaaa	aatccgatac	ataccattct	gctttatgaa	120
agatcagcaa	aaatacataa	acaaggatat	aactagtaca	tttataaaat	acatcataac	180
aatgaaacca	aaggatccca	cacaataatc	ttcacatttg	acatgctggg	tacagctgag	240
gagagccagt	gtctttggca	agtgattcat	atacataagc	gatgacactg	actaatccta	300
acacttctga	aatgttcatt	ctttaccagt	taaacctaaa	ataaatcagc	aagagtactg	360
aaatataaca	agaatgaaat	ccaaaatttg	tcgaaagggg	caatgtttta	tactagg	417

<210> 466  
 <211> 374  
 <212> DNA  
 <213> Homo sapiens

<400> 466						
gaatacaatg	atgtattttt	ttattttcac	atacactcta	gctaaaagag	caagagtaca	60
catcaacaaa	aatggaaaca	aggctttggc	tgaaaaaac	atgcatttga	caaatacatgt	120
taatagctag	acaagaagaa	agttagcttt	gtaaacttct	acttcatttg	attcagagaa	180
acagagcatg	agttttctta	aaagtaacaa	gaaaagggaac	aaaaaaaaatg	aggtttgaaa	240
tcttttacca	tggcaaaaca	ttaacatctt	tctcaaaaac	atagagaaat	ctggaaaaat	300
caagaagata	aaattctgga	ccagttagtt	gacattcttt	caagcatact	tgtaaaatgt	360
ttccttaaag	tggt					374

<210> 467  
 <211> 437  
 <212> DNA  
 <213> Homo sapiens

<400> 467  
 gacacactat ttttcgtag tttattacaa aactacagat acaatacaca aaattctaatt 60  
 tccgaaatcc ttctacattt tttttttctg agactaaatg cctcaaagc ccgtctgctt 120  
 ggctgtatt acaacctgac tcctcggtc ctggatgcac aggtcagatg ttccaacaac 180  
 cctgaccatg gccagtgcta tggagtcact ccaaagggtg ttgagccctc tgtgaaaatt 240  
 taaatggctg ctaagtcatt ctaaataaat acgtgaacgg attgtttctg cccctaagat 300  
 gaaatccac agatcttatg ctcaagctca ggtcttcta ctgccgcctt cgacatctag 360  
 aaagtatggt gggatcttca ctggatttgt taacctggtg agtgccctt gtgatccaga 420  
 tgagtcacaaa caaacgg 437

<210> 468  
 <211> 470  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 468  
 ttacttatcg gaggttttat tttttttatt tttttttgag actgagtctt gctctgtcat 60  
 caggttgag tgcatggct cactgcaacc tccgcctccc aggttcaagc aattctcctg 120  
 cctcagctc cctagtagct gggattacag gtgtccacca ccatgcccaa ttaatttttg 180  
 ttttttggg acagacaggg ttccaccatg ttggccagga tggctctgat ctggttgacc 240  
 ttgtgatccg cctgcctcgg cctcccaaag tgctgggatt acaggcgtgc aaccngcccc 300  
 tggactactt atggagggtt taaaaaatct ttttaagtcca ggcctgacgt ttagagaagg 360  
 ttacaaaggc ggccaggatc tgagtatttc caaaaagctc tggaggcagc attgagggtt 420  
 ctttcagtt gaatcactga ctttaggtcg actggggtac tttgggtttt 470

<210> 469  
 <211> 443  
 <212> DNA  
 <213> Homo sapiens

<400> 469  
 ccccgctca aaaaatatta ataaaaaat atggctgctt ttagagagaat ggttgggagg 60  
 gagaatgtgt ggggtgtagg aggtctagt ggaggctttt atgggggggtg tgggggggggt 120  
 ggccttttagc agggcagatg gaggaagtgc cttgtgccat aagacacagg aaggggatga 180  
 gggaggatgt ttcccgcca tgatgtactg gggccagctc ctaccggtt gaaagagcca 240  
 attctacaca tctcttccca acttggcatt tagcgtcttc atgttggtag cctgaaattg 300  
 gctaattggtg ggaggctctg caccacggaa attggcaaac actacgaatc agggcttccc 360  
 ccccatcaca cagccagttg ctaaagtctt acaagcacat cactggctgt ctgctttcca 420  
 gcttggtgtg gtttccggtg gta 443

<210> 470  
 <211> 427  
 <212> DNA  
 <213> Homo sapiens

<400> 470  
 gacatccttt gtatgtttac tataataaca gcaaaatttt tccaaaccag agccaatttc 60  
 cttggctcta ggtacacccc ttccaagcaa tgcaaaggac atctccaatc atgacattta 120  
 agacaattct ttatttctct gacagtgact tcttgaagtg cacatataat aaataaatag 180  
 aaaatatatc tttgttcatg gtgatgccta caagaaatgt ttacatacaa aactctgtga 240  
 catctaactc ccgaaaaagg accagctatt tcggcaacag aaaaaagaca agcatttcag 300  
 aggagcgttg cttttcctta aagacctaac tcacttaagt ctttaccaaa cagaaataac 360  
 aaggaggagac aattttctaa gcaataagaa aatttgtggc taccaaggaa aatgcctaga 420  
 tattggg 427

<210> 471  
 <211> 436  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 471  
 tttgctgtaa tacacaaaag ttttattttt gactttcttc ttttctgaag gcaaaataaaa 60  
 atagaactga acatcagtga attttgtaca acaaaaacag cttttaatat ggaatagtcc 120  
 atgaacattt taaaatctcg gaatggcttc cttttttcaa agtcatgctt tcttgcggtc 180  
 cacaaggagt tggcacagag gagatgggtg cagcggcggtg tgagggtgagt ggaggacagg 240  
 gcttctctca gatccgtgtt agctgggtgcc acagactgga tgggaggatg ctctccactt 300  
 ttctccatga caaagtttaa gggggcaaac aaagtgtgga ggaaagcatt tgcaagacc 360  
 ccataagtt ccgggaactg atgtgtcagg agggccagca tgctgttgaa ggaacataat 420  
 ccagcagtaa agagaa 436

<210> 472  
 <211> 340  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 472  
 gccttctgag agcaaagttt aatcctgacc cagaattata ataatttctg aaagttctat 60  
 taatttcagc aactgtgtga ggaattactc aggtttttcc catectatag ctctaaaaa 120  
 accaaagtgg ctaaccatat ctggcataac agaggaagta aggtgcantt ccngantntt 180  
 caaccatcac agaaaaagca cacttaattt gcatctcaag tcgtctggag taaagtctat 240  
 gttgctggca acagtttgtt tatectgact tctcttcccc aggtccctgg tggctctgaa 300  
 cagagatgtg tttgtgaaaa tgctgtcact tggctttctc 340

<210> 473  
 <211> 505  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 473  
 tttttttccc tgcacacaca ctttattttg tcctctctga gcccttctca cttccccctc 60  
 aggacggcca ccccttggca tcgggtgcag ancccatcc agccgcggtg aggggtggctg 120  
 tcatccggcg ggtcctcacc ctggtccta ggcttgcgca agctgatggg tctcatagtc 180  
 ctctgggatg gtgtcattgc agcggtaaca gggttggccc agatgatgtt ctctggggag 240  
 aagcagaaga cccccaggcg gccaccccg c atggttgtgt ccaagaccac gttgctgtcg 300  
 gccaccagct cagggccctc atagaatcgc accctgatgt agcccacttg ggncggggtg 360  
 ctgcaggaac caacgatagg acttcttgtc cttccaaccc acgtttcgcg ggtccttcca 420  
 cagcagccga acctgggaat ctgtgtctcc tgtatgcaa gaagcgtttc gaagctgttn 480  
 ccggggcctg tggaanaatt naaag 505

<210> 474  
 <211> 302  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 474  
 ccattaaggt gaaatcacct atgttttatt ataaaaaaca tgtgacactt ataataaacc 60  
 cagtaaggag cacatacaat ttgccctggg tccccatttt ctgagcgatc tgtgtttgct 120  
 tgggggtggag gcaccgggag gntcggccac gtggcttcat aaagctcagc tgcggttctc 180  
 cgtggccaca gtgactctgc tccgggtacc cagtcctcga ctcttggcc tcccaggggc 240  
 catcccgggg gtctcggaag gcacagctcg gttagctttg acttcttggg gtggctgaaa 300  
 ct 302

<210> 475  
 <211> 417  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 475  
 ttagtagaga cgaggtcttg ctatgtggcc ctggntggtc tcgaactcca gagcccaaatt 60  
 gateccacca ccttggcctc ccaaagtgtc gggattacag aaatgagcca ccacacctgg 120  
 cctgattgtt tttaaatggc agcaagaaca gggttggaca gcaagggcaa atcacacagt 180  
 atgtggcata ttcagaattg gttgtgagtt tccagtagaa agcactgaga atatccatag 240  
 ggcaaaatgg aatactaata atcctcattt gcctttgcct ttgtactggg aaaccagacc 300

ttactttaag cccaccaaag gcaaggtttg gggcctgcc aagcgggatt tcaaaaagac 360  
aaagcaatgc aagccacgtg ttcaaaatgc ccttaagtgg gctttttcag ggtnttt 417

<210> 476  
<211> 375  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 476  
ttnacatgaa agagaaactt tattgaagt gcaaagagt aaagtgaggg actggcctgg 60  
agtgggagtt gccacactgc cccaacagt attccctttc aaagagctgt gcttcctaaa 120  
cattctgggg ggttttgcca gagtcttccc cttgctcatc ctcatattcca ggacactgtc 180  
attttagtgg tctgagtc aa gtcccgtata cattcaagaa cagggcatag gcgtgggaag 240  
gtctgggaaa gttgggggtc ttttccctta catttggggg gactttgatt gggccccct 300  
cttcatgatt cctctgttg cctcaagtt ttccctttg gggtaaaatt ggggggggaa 360  
atttttctnc catgt 375

<210> 477  
<211> 272  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 477  
ttnttttttt tctctcatct tgtcttctcg ctttatttca ttaagttgat cttcaatctc 60  
tgatatacctt tcttccactt gattgataca gctattgata cttttgtttg cttcacgaag 120  
ttctcgtgct gtgtttttca gctccatcgg gtcatttata ttcttctcta aactgggtat 180  
tctagttagc aattcatcta accttttttc aaggttctta gcttccttgc attaggggta 240  
gaacatgctc ctttagttt gggaggagtt tg 272

<210> 478  
<211> 244  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 478  
atgacnaga cttgctttta tctgcacact ggggggggtg ggggtgggcat gctcctcagc 60  
agtgcattct gggacacggg cgggcggggg ctggcacagg aggacgagag cacctgcagg 120  
gcagcgtgg ncgngcgnc gggcgggcgg gcgatgtgtc agctgcagtt cttgggcagg 180  
cggtagacgc cgtccgcagt tagacgagct gctgggtccc caccttcttc tgcaggttagc 240



cctg

244

<210> 479  
 <211> 429  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 479  
 aganaattnn ttttattcag cctgatatag atcatttatg aaaaactaac agcaaacatc 60  
 atcctcaatg gtaaaaggct gaaggatttt tctctaaggtaggaacaag gcaaatgcct 120  
 gctcttgcca ctctattcag catagtgtg ggagttctag acagagcagt taggcaagga 180  
 aaaggaaatc taagggcac caaattggga aaggaggga aggtaaaatt atctctgttt 240  
 ggccaatgga tatggatttt atatggtatg gaataggaaa acccttaaag gattccnccc 300  
 agggggcngg ggncgggggtg ggcctcacgg cctttttaat tccccagcac tttgggggga 360  
 gggggcccagg gtgggggngg ggtttgcttt gagggncag gggggtttcc aggacttggc 420  
 cggggggggg 429

<210> 480  
 <211> 284  
 <212> DNA  
 <213> Homo sapiens

<400> 480  
 tttttttttt tttggaaaaa gaaatttttt ttttaattaga aaccaagttt acatacggtt 60  
 aaatggttac taaaagctca gttgtaacca ctctaaccac cactagcaga acctcaaggg 120  
 agccaagagc tcttcccttt tcccctgtta atttccagta taatgtagca gcacaattat 180  
 ttcatgtcac atttaagaag aacaagaacc aatttatata aaggtaaat tgtatatcct 240  
 taaacattcc acataaacac actgtcaaaa ctactggat atgc 284

<210> 481  
 <211> 371  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 481  
 tttttttttt ttaaagttaa aacacctttt atttgaagaa atattgttcc tagnactttc 60  
 ctgaagccag aattgttcta taaaagtatc atggaatatt atacatgatt aaaaaacaga 120  
 gtatgttccc taataacttg aaatcttttt acaaagcaca ttattcatga tcataaatat 180  
 gtttgttctg tcatccacc gatgatacac acatcaggca agcagctaat ttgaacatat 240  
 gtacagagtc tatgataaag atttaaggtt accaaaaaga ttcaggctat aacatattaa 300  
 attttcttta aaagagttaa cntaaacac ttaaaggana acatagttaa tctaggcact 360  
 tggagttatc t 371

<210> 482  
 <211> 373  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 482  
 tttttttttt ttaaggaata aggtgaattt ttattaagtg aaaaaaatca ataacaatat 60  
 aggaatgatc acatctatac aaatacattg ctacatttct acatataaaa tgtataggaa 120  
 aaagtctgaa agaatgcaca ccaaattatt ctgttttttag gaaaagcagt aggattggtc 180  
 agggcatgga atgtcggcta agtgaagtga gatttaaaat ttttattcta catgattttc 240  
 tagtgttggg aatttttgac agtgagcata catgcactta ttacttgcac aattctgaaa 300  
 actattttta aaacaacaga naatatatga aagtctattg ggtgtatata gcattaatag 360  
 tagtgaaagt tta 373

<210> 483  
 <211> 316  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 483  
 tgaaaggggt ttatttctgg tgcacacaat tgcttcattg tgaatataca tgtgattctc 60  
 tgtacacagg aaatggaatt atgttcaaaa taatagacac agcaaacaag tttctttgaa 120  
 gttactaaaa attaatgact acataaaaata aacattctaa aactaagtaa gtattattaa 180  
 tttgaatagt tagtaggtgt aagggaaaag gcatcacact acaataaaca aacaaaaacc 240  
 aacatggcat tcctcgcat agggtaaagg caccttcnaa atatttttct cttttatact 300  
 ttttttttta attgtg 316

<210> 484  
 <211> 364  
 <212> DNA  
 <213> Homo sapiens

<400> 484  
 aaggctgctg ttaaataact ttaatgggtg atgtgggagt cacaagggag ttatgtttgc 60  
 tccaaggggt cttcagtgcc atcctcaaag ctggttagtg cagggaggta gggcagagtt 120  
 ggttcagtt ttcttcagg aagggtttag ggaggtccca gcgagcccca ggaatgagtc 180  
 cctcgggtacc atggcaacca caatttaaga ggggcttctg ccaacccctg cagcctaccc 240  
 caggggtccag cagaggaaca ggaggccaga ctggcaact tgctatagac agcgccgtat 300  
 ccagagccca actgcgcatg ggtcattttc tcttctgggg cagatcctat gccagcacct 360  
 ttct 364

<210> 485  
 <211> 328  
 <212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> n=a,t,g or c

<400> 485

tgagccaaaa	tatatatact	taatttttagt	tatgccagaa	gtaagtataa	tttctcagtc	60
caaggatggt	aggaagcaac	ttacagagca	tgcttcaa	agantttctt	tggcctttga	120
aggtaactat	tttcaaactt	aatagtagag	tcaagcaaga	ntggacaatt	agagtttnca	180
aanttgaaaa	ntattatgta	ttttatataa	tcattaccta	tggtttacag	attttatttt	240
tatgatacat	atctctaagg	taggtgggta	cactgaggac	ataggcaant	atgccataaa	300
atacttattt	aagctggaag	tgancata				328

<210> 486

<211> 534

<212> DNA

<213> Homo sapiens

<400> 486

caggactcga	cgtcggacct	gatcccggcc	ccacctctga	gcaagggtccc	tctgcagcag	60
aacttccagg	acaaccaatt	ccaggggaag	tggtatgtgg	taggcctggc	agggaaatgca	120
attctcagag	aagacaaaaga	cccgcaaaag	atgtatgcca	ccatctatga	gctgaaagaa	180
gacaagagct	acaatgtcac	ctccgtcctg	tttaggaaaa	agaagtgtga	ctactggatc	240
aggacttttg	ttccaggttg	ccagcccggc	gagttcacgc	tgggcaacat	taagagttac	300
cctggattaa	cgagttacct	cgtccgagtg	gtgagcacca	actacaacca	gcatgctatg	360
gtgttcttca	agaaaagttt	tcaaaacagg	gagtacttca	agatcacgct	ctacgggaga	420
accaaggagc	tgacttcgga	actaaaggag	aacttcattc	gcttctccaa	atctctgggc	480
ctccctgaaa	accacatcgt	cttccccgtc	cccatcgatc	aatgcatcga	cggc	534

<210> 487

<211> 3118

<212> DNA

<213> Homo sapiens

<400> 487

gggggggggg	ggggggggag	aggcttccct	ggctgggtgcc	tgagcccggc	gtccctcgcc	60
ccccgccctc	cccgcattcc	tctcctccct	cgcgcctggc	cctgtggctc	ttcctccctc	120
cctccttccc	ccccccccca	cccctcgccc	gctgcctccc	tcggcccagc	cagctgtgcc	180
ggcgtttgtt	ggctgccttg	cgcgcggccc	tccagccagc	cttctgccc	ccccgcgcg	240
atggaggtgc	cccagccgga	gcccgcgcca	ggctcggtc	tcagtcacgc	agggcgtgtc	300
ggtggcgccc	agcgtccggg	ccacctcccg	ggcctcctgc	tgggatctca	tggectcctg	360
gggtccccgg	tgccggcggc	cgttctcctg	ccggtcacca	ccctcaccca	gaccatgcac	420
gacctcgccg	ggctcggcag	ccgcagccgc	ctgacgcacc	tatccctgtc	tcgacgggca	480
tccgaatcct	cctgtctgtc	tgaatcctcc	gaatcttctg	atgcaggtct	ctgcatggat	540
tccccagccc	ctatggaccc	ccacatggcg	gagcagacgt	ttgaacaggc	catccaggca	600
gccagccgga	tcattcgaaa	cgagcagttt	gccatcagac	gcttccagtc	tatgccggtg	660
aggctgctgg	gccacagccc	cgtgcttcgg	aacatcacca	actcccaggc	gcccgcaggc	720
cggaggaaga	gcgagggcgg	cagtggagct	gccagcagct	ctgggggaaga	caaggagaat	780
gatggatttg	tcttcaagat	gccatggaag	cccacacatc	ccagctccac	ccatgctctg	840
gcagagtggg	ccagccgcag	ggaagccttt	gcccagagac	ccagctcggc	ccccgacctg	900

atgtgtctca	gtcctgaccg	gaagatggaa	gtggaggagc	tcagccccct	ggccctaggt	960
cgtttctctc	tgacccctgc	agagggggat	actgaggaag	atgatggatt	tgtggacatc	1020
ctagagagtg	acttaaagga	tgatgatgca	gttccccag	gcatggagag	tctcattagt	1080
gccccactgg	tcaagacctt	ggaaaaggaa	gaggaagag	acctcgtcac	gtacagcaag	1140
tgccagcggc	tcttcgcgtc	tccgtccatg	ccctgcagcg	tgatccggcc	catcctcaag	1200
aggctggagc	ggccccagga	cagggacacg	cccgtgcaga	ataagcggag	gcggagcgtg	1260
acccctcctg	aggagcagca	ggaggctgag	gaacctaaag	cccgcgtcct	ccgctcaaaa	1320
tcactgtgtc	acgatgagat	cgagaacctc	ctggacagtg	accaccgaga	gctgattgga	1380
gattactcta	aggccttctc	cctacagaca	gtagacggaa	agcaccaaga	cctcaagtac	1440
atctcaccag	aaacgatggg	ggcctatttg	acgggcaagt	tcagcaacat	cgtggataag	1500
tttgtgattg	tagactgcag	ataccctat	gaatatgaag	gcgggcacat	caagactgcg	1560
gtgaacttgc	ccctggaacg	cgacgcgag	agcttctctac	tgaagagccc	catcgcgccc	1620
tgtagcctgg	acaagagagt	catcctcatt	ttccactgtg	aattctcatc	tgagcgtggg	1680
ccccgcatgt	gccgtttcat	cagggaaacga	gaccgtgctg	tcaacgacta	ccccagcctc	1740
tactaccctg	agatgtatat	cctgaaaggc	ggctacaagg	agttcttccc	tcagcacccg	1800
aacttctgtg	aaccccagga	ctaccggccc	atgaaccacg	aggccttcaa	ggatgagcta	1860
aagaccttcc	gcctcaagac	tgcagctggg	gctggggagc	ggagccggcg	ggagctctgt	1920
gaccggctgc	aggaccagtg	aggggcctgc	gccagtcctg	ctacctccct	tgcccttcga	1980
ggcctgaagc	cagctgccct	atgggcctgc	cgggctgagg	gcctgctgga	ggcctcaggt	2040
gctgtccatg	ggaaagatgg	tgtggtgtcc	tgccctgtctg	ccccagccca	gattccctcg	2100
tgtcatccca	tcattttcca	tatcctgggtg	ccccccaccc	ctggaagagc	ccagtctgtt	2160
gagttagtta	agttgggtta	ataccagctt	aaaggcagta	ttttgtgtcc	tccaggagct	2220
tcttgtttcc	ttgttagggg	taaccttcca	tcttccctgtg	tccgaaacg	ctcctttgtg	2280
tgtgtgtcag	ctgaggctgg	ggagagccgt	ggtccctgag	gatgggtcag	agctaaactc	2340
cttccctggcc	tgagagtcag	ctctctgccc	tgtgtacttc	ccggggccagg	gctgccccta	2400
atctctgtag	gaaccgtggg	atgtctgcca	tgttgccccct	ttctcttttc	ccctttcctg	2460
tcccaccata	cgagcacctc	cagcctgaac	agaagctcct	actctttcct	atctcagtgt	2520
tacctgtgtg	cttggtctgt	ttgactttac	gcccactctca	ggacacttcc	gtagactggt	2580
taggttcccc	tgtcaaatat	cagttaccca	ctcggtccca	gttttgttgc	cccagaaagg	2640
gatgttatta	tccttggggg	ctcccagggc	aagggttaag	gcctgaatca	tgagcctgct	2700
ggaagcccag	cccctactgc	tgtgaaccct	ggggcctgac	tgctcagaac	ttgctgctgt	2760
cttgttgccg	atggatggaa	ggttggtggg	atgggtggat	ggccgtggat	ggccgtggat	2820
gcgcagtgcc	ttgcataccc	aaaccagggtg	ggagcgtttt	gttgagcatg	acacctgcag	2880
caggaatata	tgtgtgccta	tttgtgtgga	caaaaatatt	tacacttagg	gtttggagct	2940
attcaagagg	aaatgtcaca	gaagcagcta	aaccaaggac	tgagcaccct	ctggattctg	3000
aatctcaaga	tgggggcagg	gctgtgcttg	aaggccctgc	tgagtcacat	gttagggcct	3060
tggttcaata	aagcactgag	caagttgaga	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	3118

<210> 488  
 <211> 332  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400>	488					
atattggttaag	atatttattaa	gactctaagt	tcaaacaccc	ttcttgggaa	aaagctctaca	60
ggataaccac	acatgctcaa	ctacggggcc	agctgctgca	gctgtgggac	cccatcctgt	120
ggaagaggag	agaggcacta	aaaagatgag	gtagccaggc	ctgtgccac	actacgagac	180
ctgcatcacc	atgggtgtgag	gagcagcaac	gtgggtcaac	tnggggctgg	gacgagatgg	240

aagagtaaaa ggcctttctt cataggcctg cctatttttat gaccaccagg gtagactttt 300  
gtaattaaat taaggtccac atgactttta ga 332

<210> 489  
<211> 215  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 489  
ttgttttctt tcctgagggtg aaaaatcaag ctgaatgaca attagcacta atctggcact 60  
ttataaattg tgatgtagcc tcgctagtca agctgtgaat gtatattgtt tgcacttaan 120  
ccttaactgt attaacgttc agcttactaa actgactgcc tcaagtccag gcaagttaca 180  
atgccttggt gtgcctcaat aaaaaagtta catgc 215

<210> 490  
<211> 406  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 490  
tttttttttt ggagaaccaa ctcatcttta ttaaattgcat cgtgtgtgtg tgtgtgtgtg 60  
tgtgtgtgtg tgtgtgtgta tagcacatac ttcaggcctg cggcaccacc ccatagagat 120  
ggtgaggaag taacttctgc ttctcattga aactgtagat ccatcgggga cgaacgaatg 180  
ccaggagggg gttgnacatc aggggtctct caaagntggg atcccattcc tgtgctgaga 240  
tcacaaactg accccgggtc ctcatatagt cctcgagctc cccattgaag gntgtaaagt 300  
atcggatgaa tttccgcgct tcggcccccga ggggaactcc ccccttaaag aaagaagtag 360  
cttggccctt gggaaaggaa atcttgggga gcttcaaggg acttgg 406

<210> 491  
<211> 369  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 491  
catttctctg aggaagccga gaaactttta ttaggtgacg gggttccgag cacttaagca 60  
gatgggggtgc ggtgaaggcc cagggaggag gagggcaggg aggtgcacgt cctctgtgcc 120

ccacacactt	tcaaccactg	caacaaacaa	gcacccaaga	gaggctgtnc	ggcagagccc	180
tgcaccaca	ggcctttgac	agcacagtga	ggggcctccg	cacgtggcct	cgggacgntc	240
actcgacgca	cacccgggtgc	atcacactgg	cacctaaaga	caggccgtgc	agctaaaagg	300
agcacgtttg	gncaaggaga	gcaatcagct	gtcccgcgtt	tctaaaggca	gggaccgagg	360
ctttgggag						369

<210> 492  
 <211> 504  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400>	492					
tnnannmaan	naaagagntc	agcctttatt	gtgggctcag	aagggcacaa	gagcagaaca	60
tgcagaggac	tggcagcact	ctggcctggc	atcacnangg	agngcagcag	caggcaccca	120
tgcagctcag	cagcctcact	tgctgcactt	cctgggggag	catttgact	ccatggcatt	180
gagaacctca	tggtacacaa	cagagccatt	ggtgcagtgc	agggccacct	catnggggct	240
ccgtccgtnt	cggagagcag	caggagcact	ggtcctgcac	atcgttgatg	tcaatgggag	300
tacatggctt	ttctgggcac	atcttgccct	gggcagttag	tgggatatcc	accttnttac	360
tttcagactt	tacagctttc	cccacctttt	gacatacttg	cagcctgggc	agttnathtt	420
cgtttncact	tcaggcttcc	tcacatgtnt	tcacagcagg	tncctgggnt	ttttcataat	480
ttttacctcc	cttnaggcca	gaca				504

<210> 493  
 <211> 273  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400>	493					
gattccacaa	ggattttattg	gcaccggacc	tagcctggnn	ccgccccttc	aaggaaagac	60
actaacaagg	aggagtgccg	gcaccgcaag	agccctccca	gaagcgccca	gactgggggt	120
cggggaggac	gctgccattc	gtggccagga	agggaaagggc	gattccggag	aggngtgggc	180
acggcgagcag	gaaaggcccg	ntggtnngnt	nggcagggag	gcgggggtacc	ngccccttaa	240
gaaaggggaa	ctcgagacn	tagtagagac	gcc			273

<210> 494  
 <211> 406  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

<223> n=a,t,g or c

<400> 494  
 ttaaaactaca cacacagttt attaaatagt gaaatgggta acaaaggcac atcaataacc 60  
 acttactata tatacagaaa tatatataat taacatggat ccaattatct cataactgcc 120  
 attttttcca acaaagagtc attcaattct tcatgtcatg aaggntaaag gcaaagtctt 180  
 agtccccatc ttatgctttc ccaccctctt cttgaaaact acattgaacc tctatggggg 240  
 taatcagcgt cttctgtagc cataaggtct ctgcaagcat gctgactgca ggctcctcag 300  
 attctttctc cattccctca aggtccagtt tttaatggaa cagggctggt tgcttttagca 360  
 ggggtgctggt tgctgggtat ttcattccagg ttnacactat ggattt 406

<210> 495

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> n=a,t,g or c

<400> 495  
 ttctcantttt atttttttta atgtcccagg ctgccttttc tgtcctccca tcctgcatcc 60  
 tgctttctgt tccctggata ccgtaggatg gttttatttc agttcatgca caaattagtc 120  
 tggacactgt ggagtcataa caagagtggg atggaggttc cagggccaat cagtttcttt 180  
 ggagggaagc ttgagaagta ggtagagca atgcccacaa aagccactgc ttctccttcc 240  
 catccccagc aatgagctaa gagccaacct cagccagaga gaggggtctt gatcacagag 300  
 ggtcantcag tggggatntg attagtgggg tttnggggat gggagtccca gggttaaacc 360  
 agaggggcaa agggntccct cttgaggtcc tgggctttta ggggaattgg ggttttcaaa 420  
 t 421

<210> 496

<211> 413

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> n=a,t,g or c

<400> 496  
 ctgttttttan ngatgttttt aattgacaat aattgtagat attcatcgga tacacagtga 60  
 tgttttgata catgggatgt ctagtgatca aatcagggtg atgagcatat catcatctca 120  
 agcgtttatt atgtgtgttg agaattgtca atatcctcct tcttgctgct tgaaactata 180  
 taatatatgg tcaggagttt gtttttccgt cgtcatttgc aaccgttaac attaggatct 240  
 gtgagcgtgt tttctagtta ttctgcttta ttttctctgc ctctgaccg ccgttgggat 300  
 agctgaggat ttcttccgga tgggcagaag ctgcggcctgc cttatggctt ccgtaggctg 360  
 aacactgtgg tcttctactga ggcnnggatg aggtgattng gtacctgcca ggg 413

"050501" 050501

<210> 497  
<211> 429  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 497  
tttntntntc aaccttttaa tcaacactat ttggttaaac aagagagcat cttccagggc 60  
gatttaggag aaaattttct taaaagtaat tccctttaga taaaatcaat attgctgtat 120  
tagtcagagg ttctgtgaaa tcttggttaag gtgtactgga tagcagaaac agcatactgg 180  
ttcccgccca tctggctgac cactctcggg gtatgtgtta ggaacttttc tgggtgctgg 240  
atgcaataat gaatgggttc ttctgcatct ctcttcaaat gctaggaaac ttccntatat 300  
cttggggagc caagnatggc ccgaataggg aacnagctcc ggtatacagc ctccnngcgt 360  
gcggnccgca ggaaggacag gtgatttctg ccatttccct ctgagggtac ccnggttcna 420  
tctnactaa 429

<210> 498  
<211> 952  
<212> DNA  
<213> Homo sapiens

<400> 498  
tgaactctgg atgctgttag cctgagactc aggaagacaa cttctgcagg gtcactccct 60  
ggcttctgga ggaaagagaa ggagggcagt gctccagtgg tacagaagtg agacataatg 120  
gaatcaggct tcacctccaa ggacacctat ctaagccatt ttaaccctcg ggattaccta 180  
gaaaaatatt acaagtttgg ttctaggcac tctgcagaaa gccagattct taagcacctt 240  
ctgaaaaatc ttttcaagat attctgccta gacggtgtga agggagacct gctgattgac 300  
atcggctctg gcccactat ctatcagctc ctctctgctt gtgaatcctt taaggagatc 360  
gtcgtcactg actactcaga ccagaacctg caggagctgg agaagtggct gaagaaagag 420  
ccagaggcct ttgactggtc ccagtggtg acctatgtgt gtgatcttga agggaacaga 480  
gtcaagggtc cagagaagga ggagaagttg agacaggcgg tcaagcaggt gctgaagtgt 540  
gatgtgactc agagccagcc actgggggcc gtccccttac ccccggtga ctgctgctc 600  
agcacactgt gtctggatgc cgcctgccca gacctccca cctactgcag ggcgctcagg 660  
aacctcggca gcctactgaa gccagggggc ttcctgggtga tcatggatgc gctcaagagc 720  
agctactaca tgattgggtga gcagaagttc tccagcctcc ccctgggccc ggaggcagta 780  
gaggctgctg tgaaagagggc tggctacaca atcgaatggt ttgaggtgat ctgcaaagt 840  
tattcttcca ccatggccaa caacgaagga cttttctccc tgggtggcag gaagctgagc 900  
agaccctgt gatgcctgtg acctcaatta aagcaattcc tttgacctgt ca 952

<210> 499  
<211> 2814  
<212> DNA  
<213> Homo sapiens

<400> 499  
aagaacgccc ccaaaatctg tttctaattt tacagaaatc ttttgaaact tggcacggta 60  
ttcaaaagtc cgtggaaaga aaaaaacctt gtccctggctt cagcttccaa ctacaaagac 120  
agacttggtc cttttcaacg gttttcacag atccagtgtc ccacgctctg aagacagaat 180



tagctaactt	tcaaaaaacat	ctggaaaaaat	gaagacttgg	gtaaaaaatcg	tatttggagt	240
tgccacctct	gctgtgcttg	ccttatttgg	gatgtgcatt	gtcttacgcc	cttcaagagt	300
tcataactct	gaagaaaata	caatgagagc	actcacactg	aaggatattt	taaatggaac	360
attttcttat	aaaacatttt	ttccaaactg	gatttcagga	caagaatata	ttcatcaatc	420
tgcagataac	aatatagtac	tttataatat	tgaacacagga	caatcatata	ccattttgag	480
taatagaacc	atgaaaagtg	tgaatgcttc	aaattacggc	ttatcacctg	atcggcaatt	540
tgtatatcta	gaaagtgatt	attcaaagct	ttggagatac	tcttacacag	caacatatta	600
catctatgac	cttagcaatg	gagaatttgt	aagaggaaat	gagcttcctc	gtccaattca	660
gtattttatgc	tggtcgcttg	ttgggagtaa	attagcatat	gtctatcaaa	acaatatcta	720
tttgaaacaa	agaccaggag	atccaccttt	tcaaataaca	tttaatggaa	gagaaaataa	780
aatattttaat	ggaatcccag	actgggttta	tgaagaggaa	atgcttccta	caaaatatgc	840
tctctggtgg	tctcctaata	gaaaattttt	ggcatatgcg	gaatttaata	ataaggatat	900
accagttatt	gcctattcct	attatggcga	tgaacaatat	cctagaacaa	taaatattcc	960
atacccaaag	gctggagcta	agaatcccgt	tgttcggata	tttattatcg	ataccactta	1020
ccctgcgtat	gtaggtcccc	aggaagtgcc	tgttccagca	atgatagcct	caagtgtatta	1080
ttattttcagt	tggtcacgtg	gggttactga	tgaacgagta	tgtttgagct	ggctaaaaag	1140
agtcacagaat	gtttcgggtc	tgtctatatg	tgacttcagg	gaagactggc	agacatggga	1200
ttgtccaaag	accagggagc	atatagaaga	aagcagaact	ggatgggctg	gtggattcct	1260
tgtttcaaga	ccagttttca	gctatgatgc	catttcgtac	tacaaaatat	ttagtgcaca	1320
ggatgggtac	aaacatatct	actatatcaa	agacactgtg	gaaaatgcta	ttcaaattac	1380
aagtggcaag	tgggaggcca	taaatatatt	cagagtaaca	caggattcac	tgttttattc	1440
tagcaatgaa	tttgaagaat	accctggaag	aagaaacatc	tacagaatta	gcattggaag	1500
ctatcctcca	agcaagaagt	gtgttacttg	ccatctaagg	aaagaaaggt	gccaatatta	1560
cacagcaagt	ttcagcgact	acgccaagta	ctatgcactt	gtctgctacg	gccaggcat	1620
ccccatttcc	acccttcctg	atggacgcac	tgatcaagaa	attaaaatcc	tggagaaaaa	1680
caaggaattg	gaaaatgctt	tgaaaaatat	ccagctgcct	aaagaggaaa	ttaagaaact	1740
tgaagtagat	gaaattactt	tatggtacaa	gatgattcct	cctcctcaat	ttgacagatc	1800
aaagaagtat	cccttgctaa	ttcaagtgtg	tggtgggtccc	tgcagtcaga	gtgtaagggtc	1860
tgtattttgct	gttaatttga	tatcttatct	tgcaagtaag	gaagggatgg	tcattgcctt	1920
ggtggatggt	cgaggaacag	ctttccaagg	tgacaaactc	ctctatgcag	tgtatcgaaa	1980
gctgggtggt	tatgaagttg	aagaccagat	tacagctgtc	agaaaattca	tagaaatggg	2040
tttcattgat	gaaaaaagaa	tagccatatg	gggctgggtc	tatggaggat	acgtttcatc	2100
actggccctt	gcatctggaa	ctgggtcttt	caaagtgggt	atagcagtgg	ctccagtcct	2160
cagctgggaa	tattacgcgt	ctgtctacac	agagagattc	atgggtctcc	caacaaagga	2220
tgataatctt	gagcactata	agaattcaac	tgtgatggca	agagcagaat	atttcagaaa	2280
tgtagactat	cttctcatcc	acggaacagc	agatgataat	gtgcactttc	aaaactcagc	2340
acagattgct	aaagctctgg	ttaatgcaca	agtggatttc	caggcaatgt	ggtagctctga	2400
ccagaaccac	ggcttatccg	gcctgtccac	gaaccactta	tacaccacac	tgaccactt	2460
cctaaagcag	tgtttctctt	tgtcagacta	aaaacgatgc	agatgcaagc	ctgtatcaga	2520
atctgaaaac	cttatataaa	cccctcagac	agtttgctta	ttttattttt	tatgttgtaa	2580
aatgctagta	taaacaaaca	aattaatggt	gttctaaagg	ctgttaaaaa	aaagatgagg	2640
actcagaagt	tcaagctaaa	tattgtttac	attttctggg	actctgtgaa	agaagagaaa	2700
agggagtcac	gcattttgct	ttggacacag	tgttttatca	cctgttcatt	tgaagaaaaa	2760
taataaagtc	agaagttcaa	aaaaaaaaaa	aaaaaaaaaa	aaagcggccg	ctcg	2814

<210> 500  
 <211> 1042  
 <212> DNA  
 <213> Homo sapiens

<400>	500					
ggcttgggaa	ggggaaggaa	acttctctga	aatctgaaca	cctgctctcc	cggaaggaa	60
acttcgaagg	ctgaccgacc	aagaccatca	ctatgaccga	tggagactat	gattatctga	120

tcaaaactcct	ggccctcggg	gattcagggg	tggggaagac	aacattttctt	tatagataca	180
cagataataa	attcaatccc	aaattcatca	ctacagtagg	aatagacttt	cgggaaaaac	240
gtgtggttta	taatgcacaa	ggaccgaatg	gatcttcagg	gaaagcattt	aaagtgcac	300
ttcagctttt	ggacactcgc	ggacaagagc	ggttccggag	tctcaccact	gcatttttca	360
gagacgccat	gggcttctta	ttaatgtttg	acctcaccag	tcaacagagc	ttcttaaatg	420
tcagaaactg	gatgagccaa	ctgcaagcaa	atgcttattg	tgaaaatcca	gatatagtat	480
taattggcaa	caaggcagac	ctaccagatc	agagggaagt	caatgaacgg	caagctcggg	540
aactggctga	caaatatggc	ataccatatt	ttgaaacaag	tgacagcaact	ggacagaatg	600
tggagaaagc	tgtagaaacc	cttttggact	taatcatgaa	gcgaatggaa	cagtgtgtgg	660
agaagacaca	aatccctgat	actgtcaatg	gtggaaattc	tggaaacttg	gatggggaaa	720
agccaccaga	gaagaaatgt	atctgctaga	ctctacatag	aaactgaaca	tcaagaaccc	780
cacaaaaata	ttacttttaa	aacaatgaca	aaccacacaa	ttgttgttga	gtaaaccacg	840
cacaatggca	tgtctttctt	tttctgccag	aaaatctatt	ttaagaaacc	agaatagtca	900
acagtgttca	aaagaattga	ctagtattcc	ctgaggccct	ttcaaactg	atcaaagatt	960
tcccaatgtg	atctcatcat	catggatact	caatttgttt	tttcttatag	agaaaatgag	1020
tatatagaca	tatacagaga	at				1042

<210> 501  
 <211> 1506  
 <212> DNA  
 <213> Homo sapiens

<400> 501						
aggcggacaa	agcccgattg	ttcctggggc	ctttcccat	cgcgccctggg	cctgctcccc	60
agcccggggc	aggggcgggg	gccagtgtgg	tgacacacgc	tgtagctgtc	tccccggctg	120
gctggctcgc	tctctcctgg	ggacacagag	gtcggcaggc	agcacacaga	gggacctacg	180
ggcagctggt	ccttcccccg	actcaagaat	ccccggaggc	ccggaggcct	gcagcaggag	240
cggccatgaa	gaagctgatg	gtggtgctga	gtctgattgc	tgacgcctgg	gcagaggagc	300
agaataagtt	ggtgcatggc	ggaccctgcg	acaagacatc	tcacccttac	caagctgccc	360
tctacacctc	gggccacttg	ctctgtgggt	gggtccttat	ccatccactg	tgggtcctca	420
cagctgccca	ctgcaaaaaa	ccgaatcttc	aggtcttcct	ggggaagcat	aaccttcggc	480
aaaggagag	ttcccaggag	cagagtctct	ttgtccgggc	tgtgatccac	cctgactatg	540
atgccgccag	ccatgaccag	gacatcatgc	tgttgccgct	ggcacgccc	gccaaactct	600
ctgaactcat	ccagccctt	cccctggaga	gggactgctc	agccaacacc	accagctgcc	660
acatcctggg	ctggggcaag	acagcagatg	gtgatttccc	tgacaccatc	cagtgtgcat	720
acatccacct	ggtgtcccgt	gaggagtgtg	agcatgccta	ccctggccag	atcacccaga	780
acatgtttgt	tgtctgggat	gagaagtacg	ggaaggattc	ctgccagggt	gattctgggg	840
gtccgctggt	atgtggagac	cacctccgag	gccttgtgtc	atggggtaac	atccctctgt	900
gatcaaagga	gaagccagga	gtctacacca	acgtctgcag	atacacgaac	tggatccaaa	960
aaaccattca	ggccaagtga	ccctgacatg	tgacatctac	ctcccgaact	accacccac	1020
tggctggttc	cagaacgtct	ctcacctaga	ccttgccctc	cctcctctcc	tgccagctc	1080
tgacctgat	gcttaataaa	cgcagcgacg	tgagggtcct	gattctccct	ggttttaccc	1140
cagctccatc	cttgcatac	tggggaggac	gtgatgagtg	aggacttggg	tcctcgggtc	1200
tacccccacc	actaagagaa	tacaggaaaa	tcccttctag	gcatactctc	tccccaaccc	1260
ttccacacgt	ttgatttctt	cctgcagagg	cccagccacg	tgtctggaat	cccagctccg	1320
ctgcttactg	tgggtgtccc	cttgggatgt	acctttcttc	actgcagatt	tctcacctgt	1380
aagatgaaga	taaggatgat	acagtctcca	tcaggcagtg	gctgttgga	agatttaaga	1440
tttcacacct	atgacataca	tgggatagca	cctgggccgc	catgcactca	ataaagaatg	1500
tatttt						1506

<210> 502  
 <211> 1670

<212> DNA  
 <213> Homo sapiens

<400> 502

ggcgaggagg	ccgcagctcc	ggcgccgcgc	cgtcccgcga	gaacgatcgc	cgcgcccgga	60
agagttggcg	ctcggggcgg	actccttgga	actggcttag	cgaccccatc	ccaccttccc	120
gcacctggg	accggtccaa	cgagcgctcc	tccaagcgga	gccttgagg	gcacggccgg	180
caccattacc	tccaacgagt	ggagctctcc	cacctcccct	gaggggagca	ccgcctctgg	240
gggcagtcag	gcaactggaca	agcccatcga	caatgacgga	gagggcggtg	ggagcccggga	300
tattgagcag	agttttccagg	aggccctcgc	catctaccgc	ccctgtggca	ggcgcaaaat	360
catcctgtcg	gacgagggca	agatgtatgg	tcgaaacgag	ctgattgccc	gctacatcaa	420
gctccggaca	gggaagaccc	gcaccaggaa	gcaggtctcc	agccacatcc	aggtgctggc	480
tcgtcgcaaa	gctcgcgaga	tccaggccaa	gctaaaggac	caggcagcta	aggacaaggc	540
cctgcagagc	atggctgcca	tgtcgtctgc	acagatcatc	tccgccacgg	ccttccacag	600
tagcatgcgc	ctcgcccggg	gccccggcgg	cccagcagtc	tcagggtttt	ggcaaggagc	660
tttgccaggc	caagccgaaa	cgtcccataga	tgtgaagcct	ttctctcagc	aaacctatgc	720
tgtccagcct	ccgctgcctc	tgccagggtt	tgagtctcct	gcagggcccg	ccccatcgcc	780
ctctgcgccc	ccggcacccc	catggcaggg	ccgcaggcgt	ggcagctcca	agctctggat	840
gttgaggttc	tctgccttcc	tggagcagca	gcaggaccgc	gacacgtaca	acaagcacct	900
gttcgtgcac	attggccagt	ccagcccaag	ctacctgcgc	ccctacctcg	aagccgtgga	960
catccgccaa	atctatgaca	aattcccggga	gaaaaagggt	ggactcaagg	atctcttcga	1020
acggggaccc	tccaatgcct	tttttcttgt	gaagtctctg	gcagacctca	acaccaacat	1080
cgaggatgaa	ggcagctcct	tctatggggt	ctccagccag	tatgagagcc	ccgagaacat	1140
gatcatcacc	tgtctccagca	aggtctgctc	tttcggcaag	caggtggtgg	agaaagtga	1200
gacagagtat	gctcgctatg	agaatggaca	ctactcttac	cgcattccacc	ggtccccgct	1260
ctgtgagtac	atgatcaact	tcatccacaa	gctcaagcac	ctccctgaga	agtacatgat	1320
gaacagcgtg	ctggagaact	tcaccatcct	gcaggtgggc	accaacagag	acacacagga	1380
gaccttgctg	tgcattgcct	atgtctttga	ggtgtcagcc	agtgagcacg	gggctcagca	1440
ccacatctac	aggctggtga	agaatgaga	gactcgggga	gcagggagg	gggaagagac	1500
gtgtgtgcag	gaaacgggga	cgtggggagg	ggacctgcag	gggccagccc	cctgaagtgc	1560
caagagagct	gagaggagca	gttgtgactc	taccagga	caaactgtgc	ctgaacctga	1620
ggtgcccac	cccaaataaa	cccaagatgc	tgtgtatatt	cagaggaaaa		1670

<210> 503  
 <211> 2066  
 <212> DNA  
 <213> Homo sapiens

<400> 503

tcgcgctgga	gggcagccgc	ttagcgtgcg	ctcttgctcc	cgcaggtcgc	agccaggcgg	60
cgggcgcgcc	cagccccggc	ccctggagcg	cccgcgcgg	tccccacctc	catggacgcc	120
ttcaaggggg	gcatgagcct	ggagcggtcg	ccggaggggt	tccggccgcc	gccgcgcgca	180
ccccatgaca	tggggcccg	cttccacctg	gcccggcccg	ccgacccccg	cgagccgctc	240
gagaactccg	ccagcgagtc	gtctgacacg	gagctgccag	agaaggagcg	cggcggggaa	300
cccaaggggc	ccgaggacag	tgggtcgggga	ggcacgggct	gcggcggcgc	agacgacca	360
gccaaagaaga	agaagcagcg	gcggcaacgt	acgcacttca	caagccagca	gttgcaagag	420
ctagaggcca	cgttccagag	gaaccgctac	cccagacatga	gcatgaggga	ggagatcgcc	480
gtgtggacca	acctcaccca	gccgcgcgtg	cgggtctggt	tcaagaacag	gcgagccaag	540
tggcgtaagc	gcgagcgtaa	ccagcagctg	gacctgtgca	aggggtggcta	cgtgccgcag	600
ttcagcgccc	tagtgacgcc	ctacgaggac	gtgtacgcgc	ccggctactc	ctacaacaac	660
tgggcccgcca	agagcctggc	gccagcgccg	ctctccacca	agagcttcac	cttcttcaac	720
tccatgagcc	cgtgtcgtc	gcagtcctat	ttctcagcac	ccagctccat	ctcctccatg	780
accatgccgt	ccagcatggg	cccaggcgcc	gtgcctggca	tgcccaactc	gggcctcaac	840

aacatcaaca	acctcaccgg	ctcctcgctc	aactcggcca	tgctcgccgg	cgcttgcccc	900
tacggcactc	ccgcctcgcc	ctacagcgtc	taccgggaca	cgtgcaactc	gagcctagcc	960
agcctgcggc	tcaagtcctaa	acagcactcg	tcgtttggct	acggcggcct	gcagggcccc	1020
gcctcggggc	tcaacgcgtg	ccagtacaac	agctgaccgc	cccgcgcac	cacgcgggcc	1080
ggcggccgga	gcggggaagg	gcgcgggcgc	ggaggacgca	cgcgggggcc	cggctcgcaa	1140
gccccagctc	accgcgcgc	ggacctcaca	cctgcgcagc	cccctcctcc	cacttcccac	1200
tccgggttgg	ttttgtgttt	gcttttccgg	acccactct	gccctccaaa	aagacaaaaa	1260
aaaaaaaaaa	aaaaaaagca	aaaagacgtc	ggagaaaagt	gccgcgaaaa	aatggatgag	1320
ttgcaatttc	tctcgggatg	gcgcgggttg	tgtgtgtgtg	ttcccacggg	ccccggaggc	1380
ccactccgcg	gagggcacgc	ggcgcggtag	gcaagcgccg	aggccagcg	gccgggggag	1440
gacaacctcg	tatcccgcgc	ccccgcgcgc	ctggatccgg	actgagcggc	cgggcctgcg	1500
gactggatgt	gcggggcctg	gacttgccct	ggatttcccg	accccgtaga	aaccaagtgt	1560
ccctctccga	gctaggcccc	gccgagagcg	ccttaactcg	agtcggatcc	gtgttggggc	1620
gggcgttggg	tttgggggga	cggtgcccc	agcccaggat	cgggcactca	gtggagccgc	1680
acacggcccc	gcgcgcctgg	tagagcctcg	ctggccccgc	gccccggagc	cctatattaa	1740
ggccacggag	cgacagcggg	cagtgcgggc	ctggcgggag	gtgggggagg	tccatctcag	1800
aacaccccag	ccttgagctt	agctgcaggc	ccaggccctc	tgctctgctc	ccgggctagg	1860
aggtggccct	ctgtctgggc	gaacagcccc	ctcctcaccg	cccgcctgtc	aagagtcgag	1920
ccggcagagc	aaggggcgcg	gccccagggc	cctgcgcccc	ctttgcacac	ccgctctccg	1980
gcccgcgccc	ctgtttacag	cgtccctgtg	tatgttgga	tgactgtaat	aaatctgtct	2040
atatcgacta	aaaaaaaaaa	aaaaaa				2066

<210> 504  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400>	504					
ttttgaaaaa	ataaagaact	atcaggattg	aaaacagctc	ttttgaggaa	tgtcaattag	60
ttattaagtt	gaaagtaatt	aatgatttta	tgtttggtta	ctctactaga	tttgataaaa	120
attgtgcctt	tagccttcta	tatacatcag	tggaaactta	agatgcagta	attatgttcc	180
agattgacca	tgaataaaat	atTTTTTaat	ctaaatgtag	agaagttggg	attaaaagca	240
gtctcggaaa	cacagagcca	ggaatatagc	cttttggcat	ggtgccatgg	ctcacatctg	300
taatcccagc	acttttggag	gctgaggcgg	gtggattgct	tgaggccagg	agttccgaga	360
ccaagcctgg	ccaaccgtg	gtgaaacact	ggtcccctac	taaaatacca	aaaaaataag	420
ggctggggcg	ccgttgctca	cgctgtgaan				450

<210> 505  
 <211> 560  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

```

<400> 505
nnnnnnnnnn ngnttnnnnn nnnnnccctn angggntnnt actcncatnt cattgtccag 60
taccgcttcn ggccnncaga atacncattt tcttcactca catacncnac ccctcacatc 120
agcattggtg cactagactc tgtaaaaatt tttcagtcac acttttggtt tttaaacttg 180
agtcaatata aaccttggtc aaaatgttat gaaaaaatgt acatgtttat acaaggcagg 240
ttgtggcagg acactagggg ttctccccac ttgggtggcc ccaggaggag aggctggagt 300
ctcagtttgt atctcttate tctctccacc acccttccca ccagtcctcc caggaaccag 360
cagcgccctg cccctagtgt agtgtactca caccctatt ccctggggaa gcagntagtt 420
gacctnnggc atttnccca canccctggn ggannggagn caggntcagn caggncctct 480
cccnngnaat tgtncgcccc nctnggccaa nmcaangggg ggntnmtctn tncaggtngg 540
gnccangggg ggncaantt 560

```

```

<210> 506
<211> 490
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> n=a,t,g or c

```

```

<400> 506
tnnnncagcc gggaggatac caggatagac gctatgactg aggctgatgt gaatccaaag 60
gcctatcccc ttgccgatgc ccacctcacc aagaagctac tggacctcgt tcagcagtca 120
tgtaactata agcagcttcg gaaaggagcc aatgaggcca ccaaaccct caacaggggc 180
atctctgagt tcatcgatgt ggntgcagac gccgagccac tggagatcat tctgcacctg 240
ccgntggtgt gtgaagacaa gaatgtgccc tacgtgtttt ngggctccaa gcaggccctg 300
gggagagnct gtnggggtctc caggntctgtc atcggctgtt ctntcaacat caaagaaggg 360
tcgcaggttg aaaacaggag atccaatcca ttcaggaggg cattgaaagg ntcttaggct 420
taacctgtgg ggctctncaan gttntccctn ccagttcccc ccagagnnga ttcaanttgg 480
gnttaccagg 490

```

```

<210> 507
<211> 560
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> n=a,t,g or c

```

```

<400> 507
nnnnnnnnnc tnttaacgat cggtaatgcc tttattaacg agaatgaaac gttcattcct 60
ccttccactc cttctcggtg gttttctgga cacagctcac ctgactcctgc tagaaacggt 120
gtcagtcctgc ttgtggcttc cctccttgat tgactcacgc tgtgtgatgt ctggagaagt 180
atctatccac ttcagtgtgaa tgagcactcc aatatcagcc aacatcaate attcttacca 240
tgtcacttcc catcatggaa ccactcatgg ttgctgggtg aacgccagga ttagnttcat 300
aacctatgcc accaccacct cctagagggt gaaatttctg gcctcctgaa ccatagggat 360
ctcccatggt catngntcct ccgcgcacca ttcgggtgta actttcctct cttggggggc 420
tcattnggnt cttccatctc acgggggacg aatcatcatc tnttcctct tcttctacgg 480

```

nggggccnc ctcttggtc aaatnggatt tcttnaaggt ttctgnattc ttggatnggg 540  
gaggtcttcc cgangggatt 560

<210> 508  
<211> 244  
<212> DNA  
<213> Homo sapiens

<400> 508  
tttttttttt ttacatttgc gttggcaatg tttaatgttt cacttttgca gaactgaaat 60  
ttgtattcaa aggcacagaa ggaaggaaag gcagttatca gagcatgaag tcacagataa 120  
aggatgctga ataaaagcat aggactgtc ctcttttagc ttaggaaaat aaataatgca 180  
gtattaaact agatttttat ttttattata tttccatgtg aagacatcac ccaaagtca 240  
gcgg 244

<210> 509  
<211> 400  
<212> DNA  
<213> Homo sapiens

<400> 509  
gtttttaaac actgtatttt taatttttca aaaatacgac agtaaaggct gtactatgca 60  
cagggggact gatgcctttc atgtgtcccc cttgcatttc tacctcaaaa caagactaag 120  
gcataaatta ctccactggg cgccaggcac gccccttgct cttggggcat tatcactggc 180  
cataccactt gtcctggggg ccggcagatg agatatttgc caccaaggct gcacaggctc 240  
cgggagtcct tgcacgtgct ttattcagtg cattccagag gggacccctc aacagcgtg 300  
gccaaagcct tccctgtgca ctggcgggca tgagggaaag atgggaggca gtgtgtgtgt 360  
gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt 400

<210> 510  
<211> 276  
<212> DNA  
<213> Homo sapiens

<400> 510  
attggtttta tcttttattt ggaacaaagg aaaaaaggac tgacaccagt ttagcctttg 60  
agtgtgcaga gctctgcctt ccctcccacc cctcagcccc aaatccaaga tttcatagcc 120  
ctaaccacca cccaagcagc ttccctcaca catgcctttt gttttcttcc tctcttctat 180  
ggttccttag ggaaaggagc cttcttttag gatgaaaagc taactacagc ccagtctggc 240  
ctccagcagc ccagggtcag ctccagcctc actgga 276

<210> 511  
<211> 327  
<212> DNA  
<213> Homo sapiens

<400> 511  
ctggaaggaa cggatgggac tctagtgaca gatccagaga cacacaagag caccaaagca 60  
gctcatccca ctgatgacac cagcagctc tctgagagac catccccaag cacagacgtc 120  
cagacagacc cccagaccct caagccatct ggttttcatg aggatgacct cttcttctat 180

gatgaacaca	ccctccggaa	acgggggctg	ttggtcgcag	ctgtgctgtt	catcacaggc	240
atcatcatcc	tcaccagtgg	caagtgcagg	cagctgtccc	ggttatgccg	gaatcattgc	300
aggtgagtcc	atcagaaaca	gggagct				327

<210> 512  
 <211> 406  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 512	
tnmcagattt	ngcagcactt ttaatacaca aagcaaaagg taataggctg gatgggtnac 60
caaccttcat	tcacatanag agnccaagta tagatacaga ctaattggga aataagttag 120
agtttgnagg	gccttagggg cgagagcaga aacactctcc ttttggcagc catggaagcn 180
nnnanttctt	tttctgggnt cagtgcattg acgccttcgg tcgctccata gcctgggtgtg 240
cctgcagcac	ggccactgcc tcgtctatct tggcatggac gggattctgg agactccagc 300
atgagcaaca	gctccgagtt gtcaatctcc agcagcatgc ccgtggatct tgccagccag 360
ctgggggtgtg	gacatcatgg ataaaggggg gtagagacgc tnccca 406

<210> 513  
 <211> 7258  
 <212> DNA  
 <213> Homo sapiens

<400> 513	
ttcaatagga	agcaccaaca gtttatgccc taggactttg ttcccacaat cctgtaacat 60
catatcacga	cacctaaccc aatccttatc aagccctgtc aaaaacggac tttaaaccaa 120
gctgcaaatt	ttcagtaatc tggccttgcc tttccccctc tgatagcacc atcaaacaaa 180
cccccttact	gccgaaagca ataagcccg gctttgtcca tccactgggt gtgttgggtga 240
tatctgggga	ctgccactga acagacgcac agagggagcc cctacaggca ggggtttttc 300
tgtctgtgct	tcttgggaga gtatgtctcg tacatttgtc gcgtgatgaa gacttcacag 360
ctccatccag	cgaccagact cacagctcca tccagctgcg gcaagggggg ctgaggcagt 420
cttaggcaag	ttggggccca gcgggagaag ttgcagaaga actgattaga ggaccagga 480
ggcttcagag	ctgggctgag gtagagagtc tcctgtgcgc cttctctcct ctctgcaatt 540
cggggactcc	ttgcactggg gcaggcccg gcaggtgcat gggaggaagc acggagaatt 600
tacaagcctc	tcgattcctc agtccagacg ctggtgggtc cctccgctg gagatcgcg 660
ttcccccaaa	tctttgtgag cgttgcggaa gcacgcgggg tccgggtcgc tgagcgctgc 720
aagacagggg	agggagcccg gcgggagagg gaggggcggc gccggggcgg gccctgatat 780
agagcaggcg	ccgcgggtcg cagcacagtc ggagaccgca gcccgagcc cgggccaggg 840
tccacctgtc	cccgcagcgc cggctcgcgc cctcctgcgc cagccaccgg tgagtgcgc 900
ggctctgaga	tccccgggccc ggatgcgcgg cgccccagc tcccagagct ctgcctgccc 960
cgcctggggc	tgccccgggct ccctgggctc cccggcggtc gcacggagtc aaggcgcccc 1020
gtccccggcg	tccccgcggg gtgcccgatcc aggetgccc gagtccggag cccatagagg 1080
agagagacag	ctggggagcc tggtcaccgc gggcatctcc cctgcgctgc agtgcgccgc 1140
ctggcctgcc	tccccgttcc tccgcctctt gccctgactt ctccttcctt tgagagccgc 1200
ccgtctagcg	ccccgacctc gccaccatga gagcctgct ggcgcgcctg cttctctgcg 1260
tcctggctgt	gagcgactcc aaagtgagtg cgtctctgct ttgactgatg ctgcccaagg 1320
acctctgatc	agcaccaggg gagaggagg gctgctcagg gagctggggg ctccggattc 1380
catccacagc	agggccagac tctccccagg aaatgggaca ggggtggcagc ggaggcttga 1440

gaaccacggg	ggttggcact	ggctggcaag	ggaggaagag	ggccaccggg	actgccccag	1500
cctgcgggca	tctggtagat	gaagcttaat	ccatttctcc	tggctggaaa	ccatgggtctt	1560
ccatttgaga	actagatacg	aacagggtga	ggcgagaggg	agaggggaaga	gtgggttttg	1620
ggattggggc	cagtttacc	tcacctgga	tccttgagc	atgggacctt	tgatgaagcc	1680
tcctcccgaa	tctcttccag	ggcagcaatg	aacttcatca	agttccatgt	gagtatccac	1740
ccctacaaca	gttggctgca	cagacaagtt	gggaaggctt	caggggacac	tccccctcct	1800
gcectctgct	gcagcgtgcg	ccaccctta	ccacttcac	tccccctcgc	ttaccacc	1860
tttgttctct	ccagcgaact	gtgactgtct	aaatggagga	acatgtgtgt	ccaacaagta	1920
cttctccaac	attcactggg	gcaactgccc	aaagaaattc	ggagggcagc	actgtgaaat	1980
aggtatgggg	atctccactg	caactgggag	agaaatttg	ggacagggag	ggatgggtgg	2040
gaggcaagag	caggcaggag	ttaggagctg	gaggtaggg	gggtgacatc	ttcatcccta	2100
tgtgacaagc	ataaacacac	acacacgctc	acgaaacagt	ggccacacaa	atgtgaggtg	2160
gggttgggaag	gagacctgt	ccagtcttct	ggcaggtctg	aaacgacatc	tttaaaatgt	2220
ccgttggcag	ccgggcatgg	tggctcacgc	ttgtaatccc	agcattttga	gaggtcaagt	2280
ttgagtggat	catttaggtc	aggagttaa	gaccagcctg	gacaacatgg	tgtaacctg	2340
cctctactaa	aatgcaaaa	atcagcctgg	catggtgggtg	gatgctgtga	gtcccagcta	2400
cttgggaggc	tgaggcagga	gaattgcttg	aacatgggag	gccagatctc	agtgaagtga	2460
gatcacacca	ctgactcca	actgggcgac	agagcaagac	tccatctcaa	aaaaaaaaaa	2520
aaataaaaagt	tagttggaat	gttcttctct	ttctcatatt	ctctcatcct	cctgtcccct	2580
tgtagataag	tcaaaaacct	gctatgaggg	gaatgggtcac	ttttaccgag	gaaaggccag	2640
cactgacacc	atgggcgggc	cctgctgccc	ctggaactct	gccactgtcc	ttcagcaaac	2700
gtaccatgcc	cacagatctg	atgctcttca	gctgggcctg	gggaaacata	attactgcag	2760
gtgaggtggg	ggcaacaagg	acaaaaagcc	ctccctacag	cttcccagaa	acctgttac	2820
catccccttc	tcccagaggg	ctggccatag	cacaagagaa	gtgcggcctc	tgggtgagtc	2880
ttccctgagg	ggaggaggca	gggaaggccc	tctgggttg	aatgacatcc	cctatctttc	2940
tgtgttgtgc	caggaaccca	gacaaccgga	ggcgaccctg	gtgctatgtg	caggtgggccc	3000
taaagccgct	tgtccaagag	tgcatgggtg	atgactgcgc	agatgggtgag	catcactgac	3060
ctgctgatga	caggtgggtg	gaaggggaca	aacttacatg	tccccttatt	ccatcacagg	3120
aggactgagg	aggtgggggg	tgcccagagag	ggatgctttc	tctacactgc	ctccctaaga	3180
catccctctg	tttgtctctc	aggaaaaaag	ccctcctctc	ctccagaaga	attaaaattt	3240
cagtgtggcc	aaaagactct	gaggccccgc	tttaagatta	ttgggggaga	attcaccacc	3300
atcgagaacc	agccctgggt	tgcgcccatc	tacaggaggc	accggggggg	ctctgtcacc	3360
tacgtgtgtg	gaggcagcct	catgagccct	tgctgggtga	tcagcgccac	acactgcttc	3420
atgtacggcc	ctgggtttct	cctcttcgac	tcttctgccc	cacccaagc	acatcccttt	3480
ctccttccca	gcaaagtgtt	ccgcctcatt	tctccctcat	ctgcccctgt	ccatgcgccc	3540
atggccttgg	ggacaagtgc	tgctttgagg	cctctaggga	gggaagggaag	aagtggcatg	3600
atttcatggg	actaagctgt	ttgatgggtg	tcttcttcca	cagtgattac	ccaaagaagg	3660
aggactacat	cgtctacctg	ggctcgctcaa	ggcttaactc	caacacgcaa	ggggagatga	3720
agtttgagg	ggaaaacctc	atcctacaca	aggactacag	cgctgacacg	cttgctcacc	3780
acaacgacat	tgggtgaggg	gaacgcccgc	gactactgtg	gccataatgg	cttggggaga	3840
gtgggaccca	gggagagact	ggagctgagt	tgaagctgcc	ggtggggcag	gggtggggcg	3900
agggaccttg	aagcctcgat	atacatgaca	aaggatggca	gggaagagtt	ccatgaagtc	3960
tgaggggccc	ggtgctcctc	tggagagacc	ctgaatttcc	ccaacaagta	gcccctctgc	4020
gagtggaaac	agccctgtgg	gtatatggct	tgggctggga	aggccctgtt	tatatgaatt	4080
agaaaaagac	acaccttcct	ttgtgggatg	cagcctctgt	ctgtgctagg	atatagaact	4140
tggagaatgg	agccttggga	tggattccag	cctaactacc	tcagggggat	cctctagagt	4200
gcagctggga	gtttttgcag	aaacgacctg	tacagctgta	tgcagtggct	ctggccatcc	4260
aagccttttt	caacacctgg	aacaaagccc	ttggggcatg	gggcagggga	ggtttccagg	4320
tgataagcga	ccagcagacc	tccttgatg	actgacctag	ggataggcat	agctacttcc	4380
tcggcacttg	gaggggacag	atggggaccg	cctaaccagt	agtgatcttt	ctcctctgac	4440
cctctgtcct	ccccagcct	tgtgaagat	ccgttccaag	gagggcaggt	gtgcgcagcc	4500
atcccgact	atacagacca	tctgctgccc	ctcgatgtat	aacgatcccc	agtttggcac	4560
aagctgtgag	atcactggct	ttggaaaaga	gaattctagt	aagtgacaat	tgcgactgac	4620
ttagaaggtc	ctgaggagtg	ttttgacctg	aaaatgagcc	cagtgtgatc	aagggaagac	4680



tgagagtgta	gaggtgggag	cactgagggc	gtggcagatg	gggccagggg	tggatgaaga	4740
gtgtgtgtta	gggagcgatg	ggctgcaaag	gtaaatagat	ggtaggggct	ataggtggag	4800
gtaaatggct	cagatttgca	tggagagaga	ataatgggcc	tctccctggg	tgatgatact	4860
ttatgggtgc	ccctctctgg	cgagacgtcc	cacgtggagg	cagataaaatc	ttgatgcaaa	4920
cgctccctg	ttttctccac	ctagccgact	atctctatcc	ggagcagctg	aaaatgactg	4980
ttgtgaagct	gatttcccac	cgggagtgtc	agcagcccca	ctactacggc	tctgaagtca	5040
ccaccaaagt	gctgtgtgct	gctgaccac	agtggaaaac	agattcctgc	caggtgagtg	5100
ttccaagcat	ctctctccac	ctcttccata	tctcccaga	gctcctgggc	ttgttccagc	5160
cagcttaagg	gtgtctctct	ctagccaaag	ccctaagtag	ccagaatcag	gagctcaggt	5220
ctttgagggt	ttaaaccagt	ccttatgtgt	ttgccagaca	ttaccaaaaa	aatcccagct	5280
ctgcgctagt	cacttcagac	tgggggcacg	agatcctaga	aagaggaaaac	agtaaaagac	5340
aatgtaactc	actgcccagg	gtgtgtttgt	aactataaat	gatcaggtgt	tcaggagagg	5400
gaggtgagt	ccaacctgag	ggtcagggag	gggaggcttt	aaaggaaatg	tgacttgata	5460
ggcatttgaa	gaggcagagg	gaagaaaagg	aggtgtttca	gttgaaagat	acaaaactga	5520
gaaggaggct	ggcatattcc	gggtggggag	gagaactagg	gtctgggagt	gtggatggaa	5580
tagtggcaga	tgacagggct	tttaaagcca	agcaggggat	tttccaactt	cgatgtggta	5640
gaaatggggc	tgctgcaggc	acagtggctc	atgcctgtaa	tcccagcatt	gggctaggcc	5700
gtagtgcagt	gatcattgag	gccagagtgt	agaccggcct	ggaccaacat	ggtgaaaccc	5760
tgtgtctact	aaaaaatgca	aaaaaaaaaa	ttagccaggt	gtggtggtgc	ctgcctgtaa	5820
tcccagctaa	tcaggaggct	gagacatgga	atcgcttgag	cacaggaggc	aagtttgacg	5880
tgagctgaga	tcacgtcatt	gcacgccagc	ctgggcgaca	gagcgagatt	ctgtcctccc	5940
gccgaaaaaa	gaaagaaaaat	gggaagtcgc	taaggacttt	gactgggaaa	ctcttccctc	6000
tctctggtat	ggttgggtga	tgggatcaga	aatcccctcc	tcacttctct	agggctcatc	6060
ttttgtatct	ttggcgctac	agggagactc	agggggaccc	ctcgtctggt	ccctccaagg	6120
ccgcagact	ttgactggaa	ttgtgagctg	gggcccgtgga	tgtgccctga	aggacaagcc	6180
aggcgctctac	acgagagctc	cacacttctt	accctggatc	cgcagtcaca	ccaaggaaga	6240
gaatggcctg	gccctctgag	gggtcccagg	gaggaacagg	gcaccaccgc	ctttcttgct	6300
ggttgtcatt	tttgcagtag	agtcattctc	atcagctgta	agaagagact	gggaagatag	6360
gctctgcaca	gatggatttg	cctgtgccac	ccaccagggt	gaacgacaat	agctttaccc	6420
tcaggcatag	gcctgggtgc	tggctgcccc	gaccctctcg	gccaggatgg	aggggtgggc	6480
ctgactcaac	atgttactga	ccagcaactt	gtctttttct	ggactgaagc	ctgcaggagt	6540
taaaaagggc	agggcatctc	ctgtgcatgg	gtgaagggag	agccagctcc	cccagcggtg	6600
ggcatttggt	agggccatgg	ttgagaaatg	aataatttcc	caattaggaa	gtgtaacagc	6660
tgaggtctct	tgaggagact	tagccaatgt	gggagcagcg	gtttggggag	cagagacact	6720
aacgacttca	gggcagggct	ctgatattcc	atgaatgtat	caggaaatat	atatgtgtgt	6780
gtatgtttgc	acacttgtgt	gtgggctgtg	agtgtaaagt	tgagtaagag	ctggtgtctg	6840
attgttaagt	ctaaatattt	ccttaaacct	tgtggactgt	gatgccacac	agagtggctc	6900
ttctggagag	gttataggtc	actcctgggg	cctcttgggt	ccccacgtg	acagtgcctg	6960
ggaatgtact	tattctgcag	catgacctgt	gaccagcact	gtctcagttt	cactttcaca	7020
tagatgtccc	tttcttggcc	agttatccct	tccttttagc	ctagttcate	caatcctcac	7080
tgggtggggg	gaggaccact	ccttacactg	aatattttata	tttactattt	tttattttata	7140
tttttgaat	tttaataaaa	agtgatcaat	aaaatgtgat	ttttctgatg	acaaatctcc	7200
ctgggtgctt	tatgggaagg	agttggagta	cataaaaagg	agaaaataac	aaaggtgg	7258

<210> 514  
 <211> 988  
 <212> DNA  
 <213> Homo sapiens

<400> 514						
ctcgcacagc	ttcccagcgc	gtctgctgag	ccccatggcc	cacgccacgc	tctccgcccgc	60
ccccagcaat	ccccggctcc	tgcgggtggc	gctgctgctc	ctgctcctgg	tggccgcccag	120
ccggcgcgca	gcaggagcgt	ccgtgggtcac	tgaactgcgc	tgccagtgct	tgcagacact	180

gcagggaatt	cacctcaaga	acatccaaag	tgtgaatgta	aggtcccccg	gacccactg	240
cgcccaaacc	gaagtcatag	ccacactcaa	gaatgggaag	aaagcttgtc	tcaaccccgc	300
atcccccatg	gttcagaaaa	tcatcgaaaa	gatactgaac	aaggggagca	ccaactgaca	360
ggagagaagt	aagaagctta	tcagcgatc	attgacactt	cctgcagggt	ggccctgcc	420
cttaccagag	ctgaaaatga	aaaagagaac	agcagctttc	tagggacagc	tggaaaggac	480
ttaatgtgtt	tgactatttc	ttacgagggt	tctacttatt	tatgtattta	tttttgaaag	540
cttgtatttt	aatattttac	atgctgttat	ttaaagatgt	gagtgtgttt	catcaaact	600
agctcagtc	tgattattta	attggaatat	gatgggtttt	aaatgtgtca	ttaaactaat	660
atttagtggg	agaccataat	gtgtcagcca	ccttgataaa	tgacagggtg	gggaactgga	720
gggtgggggg	attgaaatgc	aagcaattag	tggatcactg	ttagggtaag	ggaatgtatg	780
tacacatcta	ttttttatac	ttttttttta	aaaaaagaat	gtcagttgtt	atttattcaa	840
attatctcac	attatgtgtt	caacattttt	atgctgaagt	ttcccttaga	cattttatgt	900
cttgcttgta	gggcataatg	ccttgtttaa	tgtccattct	gcagcgtttc	tctttccctt	960
ggaaaagaga	atttatcatt	actgttac				988

<210> 515

<211> 1895

<212> DNA

<213> Homo sapiens

<400> 515

gctttccagc	cccaaccatg	cataaaagg	gttcgcggat	ctcggagagc	cacagagccc	60
gggcgcgagg	cacctcctcg	ccagctcttc	cgctcctctc	acagccgcca	gacccgcctg	120
ctgagcccca	tggcccgccg	tgtctctctc	gccgcccaca	gcaatccccg	gctcctgcga	180
gtggcactgc	tgtcctgct	cctggtagcc	gctggccggc	gcgcagcagg	tgggtaccgg	240
cgccctgggg	tccccggggc	ggacgcggct	ggggtaggca	cccagcgccg	acagcctcgc	300
tcagtcatg	agtctcttct	tccctaggag	cgtccgtggc	cactgaactg	cgctgccagt	360
gcttgagac	cctgcaggga	attcacccca	agaacatcca	aagtgtgaac	gtgaagtccc	420
ccggacccca	ctgcgcccac	accgaagtca	tgtgaagccc	gccccgcgct	gcctctgccca	480
ccgcgggggt	cccagaccct	cctgctgccc	caaccctgtc	cccagcccga	cctcctgcct	540
cacgagatcc	ccttccctct	gcagagccac	actcaagaat	gggcggaaag	cttgccctcaa	600
tccctgatcc	cccatagtta	agaaaatcat	cgaaaagatg	ctgaacagggt	gagttatggt	660
ttccatgtac	acaggcgact	ggagccgttg	gtcagaaata	ctggcatgtg	ccccctaaaa	720
ataaaatcag	gaaaaccag	gggttagttg	aaggactaga	aattgggatt	attgttttca	780
caattaagg	ttcctttacg	ataattactg	ctctggtgcc	agaggatatt	cccaatgcct	840
ggcgccccca	ccctggttct	tcttcgttcc	caatgaatgt	aggtaaaact	gccttcattt	900
gaggccaggt	aggacaaaca	gcaacagggt	ctggctgttt	ttaatccaat	agtacagtgg	960
agaccaccgc	cccacccac	ccccattcct	aaaagagcat	cccaagctta	gaggtccctg	1020
ccacacagca	cagctgtcat	aggcagtagc	cacttggttg	ccaggctggg	gaaactgcat	1080
tcggagaact	ctagaggctg	gaggagcagg	gcaggagaag	agtgttgtgc	aatcagcttt	1140
cccagacacc	tactcagggc	accatttttc	tcattgcagt	gacaaatcca	actgaccaga	1200
agggaggagg	aagctcactg	gtggctgttc	ctgaaggagg	ccctgccctt	ataggaacag	1260
aagaggaaa	agagacacag	ctgcagaggc	cacctggatt	gtgcctaatt	tgtttgagca	1320
tcgcttagga	gaagtcttct	atttatttat	ttattcatta	gttttgaa	ttctatgtta	1380
atatttttag	tgtaaaataa	ttaagggtat	gattaactct	acctgcacac	tgctctatta	1440
tattcattct	ttttgaaatg	tcaaccccaa	gttagttcaa	tctggattca	tatttaattt	1500
gaaggtagaa	tgttttcaaa	tgttctccag	tcattatgtt	aatatttctg	aggagcctgc	1560
aacatgccag	ccactgtgat	agaggctggc	ggatccaagc	aaatggccaa	tgagatcatt	1620
gtgaaggcag	gggaatgtat	gtgcacatct	gttttgtaac	tgtttagatg	aatgtcagtt	1680
gttattttatt	gaaatgattt	cacagtgtgt	ggtcaacatt	tctcatgttg	aaactttaag	1740
aactaaaatg	ttctaaatat	cccttgga	ttttatgtct	ttcttgtaag	gcatactgcc	1800
ttgtttaatg	gtagttttac	agtgtttctg	gcttagaaca	aaggggctta	attattgatg	1860
ttttcataga	gaatataaaa	ataaagcact	tatag			1895

<210> 516  
 <211> 1552  
 <212> DNA  
 <213> Homo sapiens

<400> 516  
 gcccgtacac accgtgtgct gggacacccc acagtcagcc gcatggctcc cctgtgcccc 60  
 agcccctggc tccctctgtt gatcccggcc cctgctccag gcctcactgt gcaactgctg 120  
 ctgtcactgc tgcttctgat gcctgtccat ccccagaggt tgccccggat gcaggaggat 180  
 tcccccttgg gaggaggctc ttctggggaa gatgaccac tgggcgagga ggatctgccc 240  
 agtgaagagg attcaccag agaggaggat ccaccggag aggaggatct acctggagag 300  
 gaggatctac ctggagagga ggatctacct gaagttaagc ctaaatcaga agaagagggc 360  
 tccctgaagt tagaggatct acctactgtt gaggctcctg gagatcctca agaaccacag 420  
 aataatgccc acagggacaa agaaggggat gaccagagtc attggcgcta tggaggcgac 480  
 ccgcccctggc cccgggtgtc cccagcctgc gcgggcccgt tccagtcccc ggtggatata 540  
 cgccccagc tcgcccgcctt ctgcccggcc ctgcgcccc tggaaactcct gggcttccag 600  
 ctcccgcgcg tcccagaact gcgcctgcgc aacaatggcc acagtgtgca actgaccctg 660  
 cctcctgggc tagagatggc tctgggtccc gggcgggagt accgggctct gcagctgcat 720  
 ctgcaactggg gggctgcagg tcgtccgggc tcggagcaca ctgtggaagg ccaccgtttc 780  
 cctgccgaga tccacgtggc tcacctcagc accgcctttg ccagagttga cgaggccttg 840  
 gggcgcccgg gaggcctggc cgtgttggcc gcctttcttg aggagggccc ggaagaaaac 900  
 agtgccatag agcagttgct gtctcgcttg gaagaaatcg ctgaggaagg ctgagagact 960  
 caggctccag gactggacat atctgacctc ctgccctctg acttcagccg ctacttccaa 1020  
 tatgaggggt ctctgactac accgcctgtt gccagggtg tcatctggac tgtgtttaac 1080  
 cagacagtga tgctgagtgc taagcagctc cacaccctct ctgacaccct gtggggacct 1140  
 ggtgactctc ggctacagct gaacttccga gcgacgcagc ctttgaatgg gcgagtgatt 1200  
 gaggcctcct tccctgctgg agtggacagc agtcctcggg ctgctgagcc agtccagctg 1260  
 aattcctgcc tggctgctgg tgacatccta gccctgggtt ttggcctcct ttttgcctgc 1320  
 accagcgtcg cgttccttgt gcagatgaga aggcagcaca gaaggggaac caaagggggg 1380  
 gtgagctacc gccacgcaga ggtagccgag actggagcct agaggctgga tcttgagaga 1440  
 tgtgagaagc cagccagagg catctgaggg ggagccggtg actgtcctgt cctgctcatt 1500  
 atgccacttc cttttaactg ccaagaaatt ttttaaaata aatatttata at 1552

<210> 517  
 <211> 5869  
 <212> DNA  
 <213> Homo sapiens

<400> 517  
 ctgaggatc tcggctcact gcaacctccg cctcccaggt tcaagctgtt cttctgcctc 60  
 agcctcccga gtagctggga ttacaggcgc ctgccaccat gccctgctaa tttttgtatt 120  
 tttagtagag atggggtttc accgtgttgg ccagactggg ctccaactcc tgacctcgtg 180  
 atccaccgcg ctgagcctcc caaatgctgg gattacagat gtgagccacc gcaccgggcc 240  
 tggcagagga tactttttta ggtcaaagac agtagcagag gtggagtacc tgggaacagg 300  
 gtcagtaggg gaagaggggg ttccgagggg gcgagtagcc actggctacc tctagaaagg 360  
 gaaggctttg gtgcaacatc gttcccctgc agttttactc atctttgctt cctgcccttt 420  
 catcatccaa tcgggcaggc aggacagggc ctgagggggc agggatccag tgggtgcctc 480  
 tctagactaa cccagctca ggactcccag agccccttcc ctgaggccct gctgccccca 540  
 agcccagatt ggggatccca agcagcacgt aggcagagcc agtgaggtcc ccgttagtcc 600  
 cattgaaagc tctaaaacca gcgaacctc agtccagcct cagggtcaggc atccaggacg 660  
 gcctcagccc tcatgggtga gccatctctg cggacactgc acagggccta cgatccatcg 720

ctgcctcccc	aggatgccag	ccaggccccc	gttgagataa	ctgcttccct	gctggacaag	780
gtggggacca	gccatctcgg	tgacagtctc	agaaccctcg	gcctgggctg	ctgggttcaa	840
tggaaaaagg	ctgtgactag	agtcaggggg	atggctcag	tgacctcaag	gataaggcca	900
gatccttgca	ctgtcagtga	cccaaagcaa	cagggtgtcca	gagcagcagt	gtggcgctt	960
cacgccccca	cacatcagcc	caactcacc	aggacaggga	ctgtagcctc	agcactcaac	1020
ccatgtgccc	tgtgtgggg	ctcttccac	tgactcaca	ggagagggaag	ggtccctcag	1080
gggtccactg	gggtccctc	ctgcaaatgg	ggcaaggaga	ggggcaagg	gctgtctcaa	1140
ggcccttgga	gcacatgcag	gtcctggact	ggggctcctg	ggagggccat	gattctgggc	1200
tccatgagtt	cagagcagac	gccttggttt	tccttggtcca	ctgtcagcca	ccccaccctt	1260
ccctgaccct	taaaagaacc	aggaaacagc	acatgatctg	ttggaaggag	gcattcattc	1320
tttcttttct	gtgggtgtgg	ggaggggacc	acagggcaca	taccacacc	tgggatccag	1380
ctgagcaggg	gggtcagaga	tgacagctct	tccggctcac	aggccaccgg	cccacataca	1440
gggcaatcag	aagaaagaaa	cagcacaagg	aaggcacaga	gggagtcgtt	gtccctgcca	1500
gaggtgcagc	actccgggaa	tgtccctcac	tctccccgtc	cctctgtctt	gccaatcct	1560
gaccaggtgc	agaaatcttg	ccaagtgttt	ccgcaggagt	tgctggcaat	tgctcacat	1620
tcctggcctt	ggcaaagaat	gaatcaaccc	accctagatc	ccataaatag	ggccaccag	1680
gtgagcctct	cactgcgcc	ctcctcttcc	accctgcca	ggcccagcag	ccaccacagc	1740
gcctgtcttc	tggccctga	aatcatgccc	ctaggtctcc	tgtggctggg	cctagccctg	1800
ttgggggtct	tgcatgcccc	ggcccaggac	tccacctcag	acctgatccc	agccccacct	1860
ctgagcaagg	tcctctgca	gcagaacttc	caggacaacc	aagtaagggg	ccaagagggg	1920
cacctgcagg	cagggcctgg	ggaagagtgg	gagcagaggg	gaggagaggt	gaagagactc	1980
aggaagagcg	tgtggcagga	cttaggagtc	caggggtccag	gtttcagctc	actctgtgcc	2040
accaggttcc	cctggtggaa	accatgcccc	ttccccccat	ccccaccccc	tctcagcctg	2100
aacagactcc	cccaggtcca	catcccctct	cccataaccc	ccattgtcca	aagaaggtgg	2160
gagcactttt	agtccccctg	cacagatgag	gaaactgagg	ctcaggaagg	cccaccagcc	2220
acatgcctcc	tccagtggag	aggtcaccct	cctccctgcc	agactcagaa	ccgcctcttc	2280
ccccaggact	cccttctgga	ctgatggcct	cctgctcctg	ccccttcacc	agtgcaggcc	2340
cagcctgggc	cctgctgccc	agctagaggg	gctcatgggt	ccaagctggg	cggcccagag	2400
gtgccacagg	gacagagctg	gaggggtggc	tcctagggcc	attcctgggt	tgtgcctctt	2460
atcagtcctt	tgcatgtcca	ggggaagtgg	tatgtggtag	gcctggcagg	gaatgcaatt	2520
ctcagagaag	acaaagaccc	gcaaaagatg	tatgccacca	tctatgagct	gaaagaagac	2580
aagagctaca	atgtcacctc	cgctcctgtt	agggtgaggc	cgacatctcc	tgggggtgtg	2640
agagtcagac	tgacgtcaca	ggcaagggat	ggccaaagct	gagggatcct	gtcgttcacc	2700
tcgctgttct	gcccggaatt	catctgtgtt	catccttcc	ctgttcctta	gagcaacgtt	2760
tatagcacat	ttccatgcag	acacacagac	agtgggtggg	atggacatgc	acagtcgtta	2820
gaaaacaaga	cggagagagg	aggggtgcct	gggagcgggg	ggaggggaca	ctggatccag	2880
cctggaaccc	caccagtgcc	cttcatggaa	ggcttccagg	gaggtggcct	taaaagagcc	2940
aacctgttcc	aaaaggaaat	gtgggggtgt	cccggcaggg	gctggagtca	gagagagccc	3000
ccccttcagg	aaggagcaag	ccatcgccag	gtcaccctga	gcagagctgc	tgagcagcct	3060
ggagggggcag	gtggccacgc	tagcacctag	cacggctctc	aggccccgcc	ccagcggatc	3120
tgctgcggag	tggcttagag	cagggctctt	gggcccagag	gtggggagac	ttggtggggt	3180
gcagcctagg	gggtcgggag	accagcgaaa	gtgaagcggg	gccgtcacag	gtgtgagaga	3240
acaggcgag	ggtgaagagg	cagggagcca	gggatcagcc	gccccagtg	ggtttctgac	3300
tctggcagct	gagtggaatt	ggattggggc	atttgtggag	caaggagcag	aatacagaca	3360
ggttggggag	ctcagccctg	gggtgccagg	ggatgggaag	tgggaggact	caaggatggg	3420
gtcaggtttg	acccgagagc	taggggaacg	gctggcatgg	agcagactgg	aagtaccgag	3480
gtggatcccc	gggagaggg	ataggaagg	aagcagcaag	ctgagtgcag	gggagaaatg	3540
caggggtttcc	tgtgtgttgg	gtggcgccgg	gggtgaaagc	caccagggga	ggcagccaaa	3600
ggaaagaagg	acatcgggtg	ctggaggggt	tgagtggggt	ccagggggcc	caggcaggcc	3660
aggagggaca	gcctggtgtc	agctcagggg	gaaggcccag	gcccattctg	gctgggtggg	3720
gtagggcccc	tccaggtagt	gggggatgag	ctgtcacggg	ttgggcccga	ctgagagcaa	3780
cagaaccctg	ctgctgcctt	ggccccacct	tgtccagcac	aggaggccca	agcctgggtt	3840
gttccccctc	tcaccacccc	atctctccct	cccaaggaaa	aagaagtgtg	actactggat	3900
caggactttt	gttccaggtt	gccagcccgg	cgagttcacg	ctgggcaaca	ttaagagtga	3960

gtcttgagtg	aggtggggca	ctgagttggg	gctccgggga	gctgggtagg	ggcacagacc	4020
ttcctgcccc	tccacacaga	tgtgttgtat	ggggagaagc	ccacgttgat	gggctgggga	4080
gggaggggac	agctccctcc	tcccatccag	ggcagggctg	acccctcacc	gtccacgcct	4140
gcaggttacc	ctggattaac	gagttacctc	gtccgagtg	tgagcaccaa	ctacaaccag	4200
catgctatgg	tgttcttcaa	gaaagtttct	caaaacaggg	agtacttcaa	gatcacctc	4260
tacgggtgggt	cctctcccat	ccctcggggg	actggctcct	gatcacactt	agtgggaggg	4320
gagggcggtc	ccccatgagg	aagggatctg	aggcctcatc	tactcattca	acgatattta	4380
tgtggtgtct	gccggccact	cactggccat	cttggtcaca	gggagaacca	aggagctgac	4440
ttcggaacta	aaggagaact	tcatccgctt	ctccaaatat	ctgggcctcc	ctgaaaacca	4500
catcgtcttc	cctgtcccaa	tcggtaatgg	ccagtctgga	tgaggggacg	gggacatggg	4560
gactgttcag	gcaggatgct	tccctaccag	ggatcagggg	gaggagggac	tccgtcctca	4620
gcttcagtca	ctggagcagt	ggatgggtcca	ggagctcctt	ggaagccact	ctgggcccag	4680
gaagactgtg	ccccacccca	gggtctatgg	gactcccagg	gaccaggcc	gcaagtgtct	4740
tttcttgcca	gtttagcccg	gggtctgcca	gacaaggatt	tcaggcccag	gcctgagtat	4800
ccatttctca	gtctcactgg	cctgacacct	ctggccaccc	tcccaggccc	ccttgttctg	4860
ggccatctcc	cccagacctc	ccaggcctcg	tcacctctgg	ttttgctgtc	ctggctgtcc	4920
tctctccctt	ggggacttgc	tcaccactga	cttgggagct	gtccttgact	ccaggggagcc	4980
tggcttgggc	aggaggctcc	agccaggcca	ttcagagagc	cactggcctc	ccccaggctg	5040
agagactgcc	tggactggta	aacaggcagg	agacctgggt	gcccaggagg	cctgggagct	5100
gggcctcact	cagggcagcc	cctccccagg	cctttctccc	acatccctctg	ccctgccatc	5160
cacctctctg	ttgccccatc	tctgaaagga	acccccatat	cttctgcagc	tgggccaggt	5220
ggggcagggg	ctgcccaggg	gcagtgcaga	ggacctggca	gtcagggatc	acacacacac	5280
actcatacac	gcacacacac	acacagctgc	ctgttctgac	ggactttctc	cctaacagac	5340
cagtgtatcg	acggctgagt	gcacagttag	tgtggctggg	cggctgctgag	ggggcttctg	5400
ggaggccagg	gtgcagtggg	ctgggggtct	tgggcctgcc	tttgctcatc	ccctgcccc	5460
ccagcactgc	tgtgtctttt	attctgctgt	ccccatctcg	ggtgcctccc	atttccccac	5520
ccatcacctt	catatccacc	tctgtccagg	gtgccgccag	ctgccgcacc	agcccgaaca	5580
ccattgaggg	agctgggaga	ccctccccac	agtgccaccc	atgcagctgc	tcccagggcc	5640
accccgctga	tggagcccca	ccttgtctgc	taaataaaca	tgtgccctca	ggcctctgag	5700
tctacactgt	ttgacctctg	ggccttcgag	gaaggggagg	ggcgggaggc	tcccactggc	5760
atcactctca	gggtctgcac	ccccaggatg	gagcctagcg	aaccagcctt	gggtgttagg	5820
gctgcagagt	gaagacacaa	gcccctggtc	atcaccagca	gctttgtgg		5869

<210> 518  
 <211> 1973  
 <212> DNA  
 <213> Homo sapiens

<400> 518						
ggatccggca	acgaaggtac	catggcgggg	cgtggcgcca	tgggtgctgtt	gcacgtgctg	60
tttgagcacg	cggctcggtta	cgcgctcgtg	gcgctgaagg	aagtggagga	gatcagtctg	120
ctgcagccgc	aggtggagga	gtccgtgctc	aacctgggca	aattccacag	catcgttcgt	180
ctgggtggcct	tttgtccctt	tgcctcatcc	caggttgccct	tggaaaatgc	caacgccgtg	240
tctgaagggg	ttgttcatga	ggacctccgc	ctgctcttgg	agaccacact	gccgtccaaa	300
aagaagaaag	tactcttggg	agttggggat	cccaagattg	gtgccgcaat	acaggaggag	360
ttaggggtaca	actgccagac	tggaggagtc	atagctgaga	tcttgcgagg	agttcgtctg	420
cacttccaca	atctggtgaa	gggtctgacc	gatctgtcag	cttgtaaagc	acagctgggg	480
ctgggacaca	gctattcccg	tgccaaagtt	aagtttaatg	tgaaccgggt	ggacaatatg	540
atcatccagt	ccattagcct	cctggaccag	ctggataagg	acatcaatac	cttctctatg	600
cgtgtcaggg	agtggtagcg	gtatcacttt	ccggagctgg	tgaagatcat	caacgacaat	660
gccacatact	gccgtcttgc	ccagtttatt	ggaaaccgaa	gggaactgaa	tgaggacaag	720
ctggagaagc	tggaggagct	gacaatggat	ggggccaagg	ctaaggctat	tctggatgcc	780
tcacggctct	ccatgggcat	ggacatatct	gccattgact	tgataaacat	cgaagacttc	840

tccagtcgtg	tgggtgtcttt	atctgaatac	cgccagagcc	tacacactta	cctgcgctcc	900
aagatgagcc	aagtagcccc	cagcctgtca	gccctaattg	gggaagcggg	aggtgcacgt	960
ctcatcgac	atgctggcag	cctcaccaac	ctggccaagt	atccagcatc	cacagtgcag	1020
atccttgggg	ctgaaaaggc	cctgttcaga	gccctgaaga	caaggggtaa	caactccaaa	1080
tatggactca	ttttccactc	caccttcatt	ggccgagcag	ctgccaagaa	caaaggccgc	1140
atctcccgat	acctggcaaa	caaatgcagt	attgcctcac	gaatcgattg	cttctctgag	1200
gtgcccacga	gtgtattcgg	ggagaagctt	cgagaacaag	ttgaagagcg	actgtccttc	1260
tatgagactg	gagagatacc	acgaaagaat	ctggatgtca	tgaaggaagc	aatggttcag	1320
gcagaggcag	aggaagcggc	tgctgagatt	actaggaagc	tgagaaaaca	ggagaagaaa	1380
cgcttaaaga	aggaaaagaa	acggctggct	gcacttgccc	tcgcgtcttc	agaaaacagc	1440
agtagtactc	cagaggagtg	tgaggagacg	agtgaaaaac	ccaaaaagaa	gaaaaagcaa	1500
aagccccagg	aggttccctc	ggagaatgga	atggaagacc	catctatctc	tttctccaaa	1560
cccaagaaaa	agaaatcttt	ttccaaggag	gagttgatga	gtagcgatct	tgaagagacc	1620
gctggcagca	ccagtattcc	caagaggaag	aagtctacac	ccaaggagga	aacagttaat	1680
gaccctgagg	aggcaggcca	cagaagtcgg	tccaagaaaa	agaggaaatt	ctccaaagag	1740
gagccgggtc	gcagtggggc	tgaagaggcg	gttggcaaga	gcagctccaa	gaagaagaaa	1800
aagttccata	aagcatccca	ggaagattag	aatgcaaatg	gacattctct	gggaggtggg	1860
gcataccata	gcccaagggt	acatttccca	cctgtgccc	gtgttcccaa	taaaaacaaa	1920
ttcacaagaa	aaaaaaaaaa	aaaaaaaaaa	ttcctgaggc	cgcaagggaa	ttc	1973

<210> 519  
 <211> 273  
 <212> DNA  
 <213> Homo sapiens

<400> 519						
actgtgtcat	gtcaggtttag	atctgaatct	ctaggagaat	agcttttttg	atctgtttgc	60
tcctttgagt	ctccctttta	ctttacaact	agaaaaccaa	tcgcatactt	cacttctatc	120
gcttccagat	atggcatatt	tttcttaggc	taccgttgaa	atttagcata	atatttctcc	180
cttaccttta	cgctctttta	aaaaaatagg	actatagtaa	gtcctccgtg	tcggtggcat	240
gtttttggaa	actgacttta	aagaaaacat	aca			273

<210> 520  
 <211> 359  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 520						
cctttaccaa	aaattttaaac	aataatccca	ataatggcca	gttggcaaaa	ttaggggcaat	60
tcagtttctg	cttacatcgt	tgaacaagac	atgaaattga	ctaccttaaa	agttacagct	120
tccacagatg	tgattaaaaac	tcaaatgtat	tttcagaaaa	gaaaaatcag	taatctaata	180
atacaacaat	catcacgcct	cacaggtgtg	gctacagaaa	gccatcctgt	ttcttccctt	240
ttcagactgc	atgacagAAC	tcttacaatg	cagctgtctg	aacgtgcatg	ccatgcagcn	300
ctgtgcattt	tnttcccacg	ccagaaacac	caacgttagc	agtgagaaac	agcctcttg	359

<210> 521

<211> 6728  
 <212> DNA  
 <213> Homo sapiens

<400> 521

agcagacggg	agttttctcct	cgggggtcgga	gcaggaggca	cgcggagtgt	gaggccacgc	60
atgagcggac	gctaaccccc	tccccagcca	caaagagtct	acatgtctag	ggtctagaca	120
tggtcagctt	tgtggacctc	cggctcctgc	tcctcttagc	ggccaccgcc	ctcctgacgc	180
acggccaaga	ggaaggccaa	gtcgagggcc	aagacgaaga	catcccacca	atcacctgcg	240
tacagaacgg	cctcaggtac	catgaccgag	acgtgtggaa	acccgagccc	tgccggtatc	300
gcgtctgcga	caacggcaag	gtgttgtgct	atgacgtgat	ctgtgacgag	accaagaact	360
gccccggcgc	cgaagtcctc	gagggcgagt	gctgtcccgt	ctgccccgac	ggctcagagt	420
caccacccga	ccaagaaacc	accggcgtcg	agggacccaa	gggagacact	ggcccccgag	480
gccccagggg	accgcagggc	ccccctggcc	gagatggcat	ccctggacag	cctggacttc	540
ccggaccccc	cggaccccc	ggacctcccc	gacccccctg	cctcggagga	aactttgctc	600
cccagctgtc	ttatggctat	gatgagaaat	caaccggagg	aatttccgtg	cctggcccca	660
tgggtccctc	tggtcctcgt	ggtctccctg	gccccctgg	tgacacctgt	ccccaggct	720
tccaaggctc	ccctggtag	cctggcgagc	ctggagcttc	aggtcccatg	ggtccccgag	780
gtcccccagg	tccccctgga	aagaatggag	atgatgggga	agctggaaaa	cctggtcgtc	840
ctggtgagcg	tgggcctcct	gggcctcagg	gtgctcgagg	attgcccgga	acagctggcc	900
tccctggaat	gaagggacac	agaggtttca	gtggtttgga	tggtgccaag	ggagatgctg	960
gtcctgctgg	tcctaagggt	gagcctggca	gccctggtga	aaatggagct	cctggtcaga	1020
tgggcccccg	tggcctgcct	ggtgagagag	gtcgccctgg	agccccctgg	cctgctggtg	1080
ctcgtggaat	tgatggtgct	actggtgctg	ccgggcccc	tggtccacc	ggccccctg	1140
gtcctcctgg	cttccctggt	gctgttgggt	ctaagggtga	agctggtccc	caaggggccc	1200
gaggctctga	aggtccccag	ggtgtgcgtg	gtgagcctgg	ccccctggc	cctgctggtg	1260
ctgctggccc	tgctggaaac	cctgtgctg	atggacagcc	tggtgctaaa	ggtgccaatg	1320
gtgctcctgg	tattgctggt	gctcctggct	tccctgggtc	ccgaggcccc	tctggacccc	1380
agggcccccg	cggccctcct	ggtcccaagg	gtaacagcgg	tgaacctggt	gctcctggca	1440
gcaaaggaga	cactggtgct	aaggagagag	ctggccctgt	tggtgttcaa	ggacccccct	1500
gccctgctgg	agaggaagga	aagcgaggag	ctcgaggtga	acccgacccc	actggcctgc	1560
ccggaccccc	tggcgagcgt	ggtggacctg	gtagccgtgg	tttccctggc	gcagatggtg	1620
ttgctggtcc	caagggtccc	gctggtgaac	gtggttctcc	tggccccgct	ggccccaaag	1680
gatctcctgg	tgaagctggt	cgtcccgggt	aagctggtct	gcctggtgcc	aagggtctga	1740
ctggaagccc	tggcagccct	ggtcctgatg	gcaaaactgg	ccccctggt	ccgcgcggtc	1800
aagatggtcg	ccccggaccc	ccaggcccac	ctggtgcccc	tggtcaggct	ggtgtgatgg	1860
gattccctgg	acctaaaggt	gctgctggag	agccccgcaa	ggctggagag	cgaggtgttc	1920
ccggaccccc	tggcgctgtc	ggtcctgctg	gcaaagatgg	agaggctgga	gctcaggggc	1980
cccctggccc	tgctggtccc	gctggcgaga	gaggtgaaca	aggccctgct	ggctcccccg	2040
gattccaggg	tctccctggt	cctgctgggt	ctccaggtga	agcaggcaaa	cctggtgaac	2100
aggggtgtcc	tggagacctt	ggcgccccct	gccccctctg	agcaagaggc	gagagaggtt	2160
tccctggcga	gcgtggtgtg	caagggtccc	ctggtcctgc	tggaccccga	ggggccaacg	2220
gtgctccccg	caacgatggt	gctaagggtg	atgctggtgc	ccctggagct	cccggtagcc	2280
agggcgcccc	tggccttcag	ggaatgcctg	gtgaacgtgg	tgacgtggt	cttcaggggc	2340
ctaagggtga	cagaggtgat	gctggtccca	aagggtgctga	tggctctcct	ggcaaagatg	2400
gcgtccgtgg	tctgaccggc	cccattgggt	ctcctggccc	tgctggtgcc	cctggtgaca	2460
agggtgaaag	tgggtcccag	ggccctgctg	gtcccactgg	agctcgtggt	gcccccgag	2520
accgtggtga	gcctggtccc	ccgggccctg	ctggctttgc	tggccccct	ggtgctgacg	2580
gccaacctgg	tgctaaaggc	gaacctgggt	atgctggtgc	caaaggcgat	gctggtcccc	2640
ctgggcctgc	cggacccgct	ggacccccct	gccccattgg	taatgttgg	gctcctggag	2700
ccaaagggtc	tcggggcagc	gctggtcccc	ctggtgctac	tggtttccct	ggtgctgctg	2760
gccgagtcgg	tcctcctggc	ccctctggaa	atgctggacc	ccctggccct	cctggtcctg	2820
ctggcaaaga	aggcggcaaa	ggtccccgtg	gtgagactgg	ccctgctgga	cgtcctggtg	2880
aagttggtcc	ccctggtccc	cctggccctg	ctggcgagaa	aggatcccc	ggtgctgatg	2940

09673367.060501

gtcctgctgg	tgctcctggt	actcccgggc	ctcaaggatat	tgctggacag	cgtgggtgtgg	3000
tcggcctgccc	tggtcagaga	ggagagagag	gcttccctgg	tcttcctggc	ccctctggtg	3060
aacctggcaa	acaagggtccc	tctggagcaa	gtgggtgaacg	tggtccccc	ggtcccatgg	3120
gccccctgg	attggctgga	ccccctggtg	aatctggacg	tgagggggct	cctgctgccc	3180
aagggtcccc	tggacgagac	ggttctcctg	gcgccaaggg	tgaccgtggt	gagaccggcc	3240
ccgctggacc	ccctggtgct	cctggtgctc	ctggtgcccc	tgcccccggt	ggccctgctg	3300
gcaagagtgg	tgatcgtggt	gagactggtc	ctgctggtcc	cgccggtccc	gtcggccccg	3360
tcggcgcccc	tggccccgcc	ggaccccaag	gcccccggtg	tgacaagggt	gagacaggcg	3420
aacaggggcga	cagaggcata	aagggtcacc	gtggcttctc	tggcctccag	ggtccccctg	3480
gcccctcctgg	ctctcctggt	gaacaagggtc	cctctggagc	ctctggtcct	gctggtcccc	3540
gaggtccccc	tggctctgct	ggtgctcctg	gcaaagatgg	actcaacggt	ctccctggcc	3600
ccattggggc	ccctggtcct	cgcggtcgca	ctggtgatgg	tggtcctggt	ggtccccccg	3660
gcccctcctgg	acctcctggt	ccccctggtc	ctcccagcgc	tggtttcgac	ttcagcttcc	3720
tgccccagcc	acctcaagag	aaggctcacg	atggtggccg	ctactaccgg	gctgatgatg	3780
ccaatgtggt	tcgtgaccgt	gacctcgagg	tggacaccac	cctcaagagc	ctgagccagc	3840
agatcgagaa	catccggagc	ccagagggaa	gccgcaagaa	ccccgcccgc	acctgccgtg	3900
acctcaagat	gtgccactct	gactggaaga	gtggagagta	ctggattgac	cccaaccaag	3960
gctgcaacct	ggatgccatc	aaagtcttct	gcaacatgga	gactggtgag	acctgctgtg	4020
accccactca	gcccagtgtg	gcccagaaga	actggtacat	cagcaagaac	cccaaggaca	4080
agaggcatgt	ctggttcggc	gagagcatga	ccgatggatt	ccagttcgag	tatggcggcc	4140
agggtccga	ccctgccgat	gtggccatcc	agctgacctt	cctgcgcctg	atgtccaccg	4200
aggcctccca	gaacatcacc	taccactgca	agaacagcgt	ggcctacatg	gaccagcaga	4260
ctggcaacct	caagaaggcc	ctgctcctca	agggctccaa	cgagatcgag	atccgcgccg	4320
agggcaacag	ccgcttcacc	tacagcgtca	ctgtcgatgg	ctgcacgagt	cacaccggag	4380
cctggggcaa	gacagtgatt	gaatacaaaa	ccaccaagtc	ctccgcctg	cccatcatcg	4440
atgtggcccc	cttggacgtt	ggtgccccag	accaggaatt	cggtctcgac	gttggccctg	4500
tctgcttct	gtaaaactcc	tccatcccaa	cctgggtccc	tcaccccaa	ccaactttcc	4560
ccccaacccg	gaaacagaca	agcaacccaa	actgaacccc	ccaaaagcc	aaaaaatggg	4620
agacaatttc	acatggactt	tggaaaatat	ttttttcctt	tgcatctatc	tctcaaactt	4680
agtttttatc	tttgaccaac	cgaacatgac	caaaaaccaa	aagtgcattc	aaccttacca	4740
aaaaaaaaaa	aaaaaaaaaa	agaataaata	aataagtttt	taaaaaagga	agcttgggtc	4800
acttgcttga	agaccatgc	gggggtaagt	ccctttctgc	ccgttgggtt	atgaaacccc	4860
aatgctgccc	tttctgctcc	tttctccaca	cccccttgg	cctccctccc	actccttccc	4920
aaatctgtct	ccccagaaga	cacaggaaac	aatgtattgt	ctgccagca	atcaaaggca	4980
atgctcaaac	acccaagtgg	ccccaccct	cagcccgtc	ctgcccgccc	agcaccccca	5040
ggccctgggg	acctgggggt	ctcagactgc	caaagaagcc	ttgccatctg	gcgctcccat	5100
ggctcttgca	acatctcccc	ttcgtttttg	agggggtcat	gccgggggag	ccaccagccc	5160
ctcactgggt	tcggaggaga	gtcaggaagg	gccacgacaa	agcagaaaca	tcggatttgg	5220
ggaacgcgtg	tcatcccttg	tgccgcaggc	tgggcgggag	agactgttct	gttctgttcc	5280
ttgtgttaact	gtgttgctga	aagactacct	cgttcttgtc	ttgatgtgtc	accggggcaa	5340
ctgcctgggg	gcgggggatg	gggcagggtg	gaagcggctc	cccattttta	taccaaagggt	5400
gctacatcta	tgtgatgggt	ggggtgggga	gggaatcact	ggtgctatag	aaattgagat	5460
gccccccag	gccagcaaatt	gttccttttt	gttcaaagtc	tattttttatt	ccttgatatt	5520
ttttctttct	tttttttttt	ttttgtggat	ggggacttgt	gaatttttct	aaagggtgcta	5580
tttaacatgg	gaggagagcg	tgtgcgctcc	agcccagccc	gctgctcact	ttccaccctc	5640
tctccacctg	cctctggctt	ctcaggcctc	tgtctctcga	cctctctcct	ctgaaacctt	5700
cctccacagc	tgcagcccat	cctcccggct	ccctcctagt	ctgtcctgcg	tcctctgtcc	5760
ccgggtttca	gagacaactt	cccaaagcac	aaagcagttt	ttccctaggg	gtgggaggaa	5820
gcaaaagact	ctgtacctat	tttgtatgtg	tataataatt	tgagatgttt	ttaattattt	5880
tgattgctgg	aataaagcat	gtggaaatga	cccaaacata	atccgcagtg	gcctcctaatt	5940
ttccttcttt	ggagttgggg	gaggggtaga	catgggggaag	gggccttggg	gtgatgggct	6000
tgccctccat	tcctgcccct	tcctcccca	ctattctctt	ctagatccct	ccataacccc	6060
actccccctt	ctctcaccct	tcttataccg	caaaccttct	tacttctctt	ttcattttct	6120
attcttgcaa	tttcccttga	ccttttccaa	atcctcttct	ccccgcaat	accatacagg	6180



caatccacgt	gcacaacaca	cacacacact	cttcacatct	ggggttgtcc	aaacctcata	6240
cccactcccc	ttcaagccca	tccactctcc	accccctgga	tgccctgcac	ttggtggcgg	6300
tgggatgctc	atggatactg	ggaggggtgag	gggagtggaa	cccgtgagga	ggacctgggg	6360
gcctctcctt	gaactgacat	gaaggggtcat	ctggcctctg	ctcccttctc	accacgctg	6420
acctcctgcc	gaaggagcaa	cgcaacagga	gaggggtctg	ctgagcctgg	cgaggggtctg	6480
ggagggacca	ggaggaaggc	gtgctccctg	ctcgctgtcc	tggccctggg	ggagtggagg	6540
agacagacac	ctgggagagc	tgtggggaag	gcactcgac	cgtgctcttg	ggaaggaagg	6600
agacctggcc	ctgctcacca	cggactgggt	gcctcgacct	cctgaatccc	cagaacacaa	6660
ccccctggg	ctgggggtgg	ctggggaacc	atcgtgcccc	cgctccccgc	ctactccttt	6720
ttaagctt						6728

<210> 522  
 <211> 5086  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400>	522					
agcaccacgg	cagcaggagg	tttcggncta	agttggaggt	actggncac	gactgcatgc	60
ccgcgccccg	caggtgatac	ctccgccggt	gaccagggg	ctctgcgaca	caaggagtct	120
gcatgtctaa	gtgctagaca	tgctcagctt	tgtggatacg	cggactttgt	tgctgcttgc	180
agtaacctta	tgcttagcaa	catgccaatc	tttacaagag	gaaactgtaa	gaaagggccc	240
agccggagat	agagaccac	gtggagaaag	gggtccacca	ggccccccag	gcagagatgg	300
tgaagatggt	cccacaggcc	ctcctgggtc	acctgggtcct	cctggcccc	ctggtctcgg	360
tgggaacttt	gctgctcagt	atgatggaaa	aggagttgga	cttggccctg	gaccaatggg	420
cttaatggga	cctagaggcc	cacctgggtc	agctggagcc	ccaggccctc	aaggtttcca	480
aggacctgct	ggtgagcctg	gtgaacctgg	tcaaactggg	cctgcagggt	ctcggtgtcc	540
agctggccct	cctggcaagg	ctggtgaaga	tggtcaccct	ggaaaaccgc	gacgacctgg	600
tgagagagga	gttgttgga	cacaggggtc	tctggttttc	cctggaactc	ctggacttcc	660
tggcttcaaa	ggcattaggg	gacacaatgg	tctggatgga	ttgaaggga	agcccggtgc	720
tcctggtgtg	aagggtgaac	ctggtgcccc	tgggtgaaaat	ggaactccag	gtcaaacagg	780
agcccggtgg	cttcctggtg	agagaggacg	tgttggtgcc	cctggcccag	ctggtgcccc	840
tggcagtgat	ggaagtgtgg	gtcccgtggg	tcctgctggt	cccattgggt	ctgctgcccc	900
tccaggcttc	ccagggtgcc	ctggccccaa	gggtgaaatt	ggagctgttg	gtaacgctgg	960
tcctgctggt	ccgcgccgtc	cccgtggtga	agtgggtctt	ccaggcctct	ccggccccgt	1020
tggacctcct	ggtaatcctg	gagcaaaccg	ccttactggg	gccaagggtg	ctgctggcct	1080
tcccggcggt	gctggggctc	ccggcctccc	tggacccgc	ggtattcctg	gccctgttgg	1140
tgctgccggt	gctactggtg	ccagaggact	tgttggtgag	cctgggtccag	ctggtcccaa	1200
aggagagagc	ggtaacaagg	gtgagcccg	ctctgctggg	ccccagggtc	ctcctggtcc	1260
cagtggtgaa	gaaggaaaga	gaggccctaa	tggggaagct	ggatctgccg	gccctccagg	1320
acctcctggg	ctgagaggta	gtcctggttc	tctggtctt	cctggagctg	atggcagagc	1380
tggcgtcatg	ggccctcctg	gtagtcgtgg	tgcaagtggc	cctgctggag	tccgaggacc	1440
taatggagat	gctgggtcgc	ctggggagcc	tgggtctcatg	ggaccagag	gtcttcctgg	1500
ttcccctgga	aatatcggcc	ccgctggaaa	agaaggctct	gtcggcctcc	ctggcatcga	1560
cggcaggcct	ggcccaattg	gccagctgg	agcaagagga	gagcctggca	acattggatt	1620
ccctggaccc	aaaggcccca	ctggtgatcc	tggcaaaaac	ggtgataaag	gtcatgctgg	1680
tcttgctggt	gctcgggggtg	ctccagggtc	tgatggaaac	aatggtgctc	agggacctcc	1740
tggaccacag	ggtgttcaag	gtggaaaagg	tgaacagggt	cccgtgggtc	ctccaggctt	1800
ccagggtctg	cctggcccc	cagggtccgc	tgggtgaagtt	ggcaaaccag	gagaaagggg	1860

tctccatggt	gagtttggtc	tccctgggtcc	tgctgggtcca	agaggggaac	gcggtcccc	1920
aggtgagagt	ggtgctgccg	gtcctactgg	tcctattgga	agccgaggtc	cttctggacc	1980
cccagggcct	gatggaaaca	aggggtgaacc	tggtgtggtt	ggtgctgtgg	gcactgctgg	2040
tccatctggt	cctagtggac	tcccaggaga	gaggggtgct	gctggcatac	ctggaggcaa	2100
gggagaaaag	ggtgaacctg	gtctcagagg	tgaatttggt	aaccctggca	gagatggtgc	2160
tcgtgggtgct	catgggtgctg	taggtgcccc	tggtcctgct	ggagccacag	gtgaccgggg	2220
cgaagctggg	gctgctggtc	ctgctgggtcc	tgctgggtcct	cggggaagcc	ctggtgaacg	2280
tggcgaggtc	ggtcctgctg	gccccaacgg	atttgctggt	ccggctggtg	ctgctgggtca	2340
accgggtgct	aaaggagaaa	gaggagccaa	agggcctaag	ggtgaaaacg	gtgttggttg	2400
tcccacaggc	cccgttgagg	ctgctggccc	agctgggtcca	aatgggtcccc	ccggtcctgc	2460
tggaaagtcgt	ggtgatggag	gccccctgg	tatgactggt	ttccctgggtg	ctgctggacg	2520
gactgggtccc	ccaggaccct	ctgggtatttc	tggccctcct	ggtccccctg	gtcctgctgg	2580
gaaagaaggg	cttcgtggtc	ctcgtggtga	ccaaggtcca	gttggccgaa	ctggagaagt	2640
aggtgcagtt	ggtccccctg	gcttcgctgg	tgagaagggt	ccctctggag	aggctggtac	2700
tgctggacct	cctggcactc	caggtcctca	gggtcttctt	ggtgctcctg	gtattctggg	2760
tctccctggc	tcgagaggtg	aacgtggtct	acctggtggt	gctggtgctg	tgggtgaacc	2820
tggtcctctt	ggcattgccg	gccctcctgg	ggcccggtggt	cctcctgggtg	ctgtgggttag	2880
tcctggagtc	aacggtgctc	ctgggtgaagc	tggtcgtgat	ggcaaccctg	ggaacgatgg	2940
tccccaggt	cgcgatggtc	aaccgggaca	caaggagag	cgcggttacc	ctggcaatat	3000
tggtcccgtt	ggtgctgcag	gtgcacctgg	tcctcatggc	cccggtgggtc	ctgctggcaa	3060
acatggaaac	cgtggtgaaa	ctgggtccttc	tggtcctggt	ggtcctgctg	gtgctggttg	3120
cccaagaggt	cctagtggcc	cacaaggcat	tcgtggcgat	aaggagagagc	ccggtgaaaa	3180
ggggcccaga	ggtcttcctg	gcttaaagg	acacaatgga	ttgcaaggctc	tgctggtat	3240
cgtggtcac	catggtgatc	aagggtgctcc	tggtcctggt	ggtcctgctg	gtcctagggg	3300
ccctgctggt	ccttctggcc	ctgctggaaa	agatggtcgc	actggacatc	ctggtacggt	3360
tggacctgct	ggcattcgag	gccctcaggg	tcaccaaggc	cctgctggcc	cccctgggtcc	3420
ccctggccct	cctggacctc	caggtgtaag	cgggtggtggt	tatgactttg	gttacgatgg	3480
agacttctac	agggctgacc	agcctcgctc	agcaccttct	ctcagaccca	aggactatga	3540
agttgatgct	actctgaagt	ctctcaacaa	ccagattgag	acccttctta	ctcctgaagg	3600
ctctagaaag	aaccagctc	gcacatgccg	tgacttgaga	ctcagccacc	cagagtggag	3660
cagtggttac	tactggattg	accctaacca	aggatgcact	atggatgcta	tcaaagtata	3720
ctgtgatttc	tctactggcg	aaacctgtat	ccgggcccaa	cctgaaaaca	tcccagccaa	3780
gaactggtat	aggagctcca	aggacaagaa	acacgtctgg	ctaggagaaa	ctatcaatgc	3840
tggcagccag	tttgaatata	atgtagaagg	agtgacttcc	aaggaaatgg	ctaccaact	3900
tgccctcatg	cgcctgctgg	ccaactatgc	ctctcagaac	atcacctacc	actgcaagaa	3960
cagcattgca	tacatggatg	aggagactgg	caacctgaaa	aaggctgtca	ttctacaggg	4020
ctctaattgat	gttgaacttg	ttgctgaggg	caacagcagg	ttcacttaca	ctgttcttgt	4080
agatggctgc	tctaaaaaga	caaataaatg	gggaaagaca	atcattgaat	acaaaacaaa	4140
taagccatca	cgcctgccct	tccttgatat	tgacactttg	gacatcggtg	gtgctgacca	4200
tgaattcttt	gtggacattg	gccagctctg	tttcaaataa	atgaactcaa	tctaaattaa	4260
aaaagaaaga	aatttgaaaa	aactttctct	ttgccatttc	ttcttcttct	tttttaactg	4320
aaagctgaat	ccttccattt	cttctgcaca	tctacttgct	taaattgtgg	gcaaaagaga	4380
aaaagaagga	ttgatcagag	cattgtgcaa	tacagtttca	ttactcctt	ccccgctcc	4440
cccaaaaatt	tgaatttttt	tttcaacact	cttacacctg	ttatggaaaa	tgtcaacctt	4500
tgtaaagaaa	ccaaaataaa	aattgaaaaa	taaaaacat	aaacatttgc	accacttgtg	4560
gcttttgaat	atcttccaca	gagggaagtt	taaaacccaa	acttccaaag	gtttaaacta	4620
cctcaaaaca	ctttcccatg	agtgtgatcc	acattgttag	gtgctgacct	agacagagat	4680
gaactgaggt	ccttgttttg	ttttgttcat	aatacaaagg	tgctaattaa	tagtatttca	4740
gatacttgaa	gaatgttgat	ggtgctagaa	gaatttgaga	agaaatactc	ctgtattgag	4800
ttgtatcgtg	tggtgtattt	tttaaaaaat	ttgatttagc	attcatattt	tccatcttat	4860
tcccaattaa	aagtatgcag	attatttgcc	caaagttgtc	ctcttcttca	gattcagcat	4920
ttgttctttg	ccagtctcat	tttcatcttc	ttccatggtt	ccacagaagc	tttgttctt	4980
gggcaagcag	aaaaattaaa	ttgtacctat	tttgtatatg	tgagatgttt	aaataaattg	5040
tgaaaaaat	gaaataaagc	atgtttggtt	ttccaaaaga	acatat		5086

<210> 523  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 523  
 aggggaagata gtaaaattca tttaataggc atgttccata taaccatttt gttacaaatt 60  
 ttgcattttc cacatgaaaa aaaatcacag taggcacata ctagaagcaa aatatgtcag 120  
 acaaaaatat cctaaagatg tttctgttat caaactttta caatttttcc aagacgtttt 180  
 tgagggttgg gaaaaagtct ggggnatttt tggcaaaaaa caaacacact ctatccatgt 240  
 gagttttgac tattgttctt tctcaccaaa aatgtccata attttctaca aattccatga 300  
 agtttttaaat caatcatgtt tgatttacat ttaccaagaa tgatttgccc atcaccataa 360  
 aaattgantt aaaaatacat caggctaaat aaatccaaaa gngaacagtg aattttgttg 420  
 ggtttacaga cagt 434

<210> 524  
 <211> 403  
 <212> DNA  
 <213> Homo sapiens

<400> 524  
 caaataatta ctgttttata ttgggacagt acatttcaga tttcaaccaa aagacaaaaa 60  
 tgcagtttaa ctcaaaggca caacaattga aacacagaaa ataatggcat ctcttggatg 120  
 ccttatttct aaattaaaca aagaagtaca caaattttgt tcccttccct ccccgagtgc 180  
 aagcccacaa gctttttcca aagtcttgag cttttgatgc tgtcccgcac tgtggacttg 240  
 tgaggcgctt ggatgtagca atgaaacaaa atgcttgaga ggtctagtga atggcattca 300  
 aaagggacct caaagtgcag acatatcttt ttcaaattat gttacaggct gaactggctc 360  
 tttgaacact atcactctgc ttaaattccag gaagcaggct tta 403

<210> 525  
 <211> 453  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 525  
 ttttttatat acacagcatt tttattaaat atactctgtg agaaaaagaa caccctaaag 60  
 tgccagattt catgtaaatc caataactta gtaaatacaa tggtgaaaaa aaatcngagg 120  
 gaaacataat ttaaataatc ttataaaaaga gcaagaacat atcttaattc taagaaaaca 180  
 atcatcaaaa tataaaaggg aaagaaatct cttttgtaga agaatatatt tcaaattcca 240  
 cctgttgatc atttcattta aaaaattcta ttctaaacac atgggcagtc tctcttacca 300

atatatatat ttaaatacaat gggtagaaaag ggaatttaga ctactcattc aactgagat 360  
aaagtgcacat ttttggtgca caacagtatt gctcactggg cactaacagt gggaagatgg 420  
agaaagtaga tttctgggat tcaattggtt agc 453

<210> 526  
<211> 264  
<212> DNA  
<213> Homo sapiens

<400> 526  
tttttttttt tttttttttt aaaatgggaa ggttttattaa ggtttttcct caagaggaac 60  
agccaatctc ttgcttcttg agagaagcaa ttagtgaggaa atgtatgtca caccttgggc 120  
ccagaaccac aggaggccgc ttctcagcat gcccaacgaa catacatcat cccaattcc 180  
catttaaagc tcattaatgt ctacaaaaca gaatccacgt tgccttccca gaaaacagaa 240  
ctaggaaccc agtcaaagcc tcca 264

<210> 527  
<211> 484  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 527  
atttaaaaaa tcattttact tattaaaact ttctcatttc ccaaggcact tcagtagctt 60  
tcacaaaaac atgtttgttc ttttttaacc aggtgaggca tatgctttag gaggaccatg 120  
gtaacataat cagcaaagag aagacaatta cactgaacac aaaatatcac ccaataaagt 180  
tacaggacta aagttagcta ctctgaaaga ctatgaacac aatttaaatt tcttttttgt 240  
aatatcctcc catgactaag tatcaagaaa ggaacacaca caatgacact gtttttgga 300  
cttagagaag tgctagaggc tagggctggt aaggccttgc accagtggca gctgcagaca 360  
attgccagag tgattctgtt ttaaaaaaaa aaaaaaaga cacaaccag gaggctaagg 420  
aaccagcctt tcccaagtgc attctgaagg gccaatnacc aggagaanag ggtncaccac 480  
catt 484

<210> 528  
<211> 456  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 528  
tgggcgggtg gaaatcaacg tgcttcttta ttttttaaac tagataggct cattctactg 60  
tcttctccag ggctcttcta tgaaacagtt acaaacctac ggccaggcca ggcagtggct 120  
cacacctgta atcccagcac tttggaatgc tggggcagga ggatcacttg aggtcaggag 180

ctcgagacca	gcctggagta	tagggagacc	cccgcccccc	cccgccatct	ctacataaaa	240
tttaaacatt	agccaggttt	ggtggcctgt	gctgtagtc	ccagctactc	aggaggctga	300
gatgggagga	tccgcttgag	cctgggagtt	caaagctgca	gtgagccatg	attgcaacat	360
tgcacttcca	gcctgggcca	cggagcgaag	accctgtctc	aaaaaataaa	aacccaaaacc	420
tactgncagt	ttccccaggg	cttcatgcct	cagcgn			456

<210> 529  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400>	529					
tttttttttt	tttcaaaacc	agcaaaaata	aaattttaatt	gggctcaagt	ctgggcagtt	60
tgtccttcct	caggaccagc	cgtcagcagt	ccctgacgaa	agcaccat	tctctccaca	120
gacagctggt	tccagaagga	ccctctgagg	ctggtcttcc	gggtaggatg	tgctgtggga	180
gggttctggt	tccgaggagg	agaggcgcga	cacagcgtgc	aaggacctgc	agcaccttcc	240
acgcagcacc	ccctgctcct	cctcctcagc	ccctgccggg	ctctgactcc	taagttaggc	300
aggagcttct	tcaggccct	gggntgagga	agagcca			337

<210> 530  
 <211> 364  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400>	530					
ctatgtcaga	gctagtatt	tcaaaagggt	tcacaattcc	ccaagacaaa	agtgattttc	60
gttcattata	ataagggtta	gtgatattgt	attcatagca	atattgatgt	gaagaaggga	120
aggacatcat	tgacttaata	atagtatcag	tccgtgcaac	agttggcaac	atgtgccttc	180
acactttacc	ataaagagac	gggtttgagg	gtttgccttc	taaagtctgc	aacttcaaga	240
aaaaaaatcg	acactgtgga	ttgactttcc	cggctactat	ataaagcaaa	taaacttaaa	300
acactttgta	accatgtatt	tactctgcc	ggtgcctata	ttccaatana	atgttcatcc	360
ttga						364

<210> 531  
 <211> 280  
 <212> DNA  
 <213> Homo sapiens

<400>	531					
tttagctttg	aaatgcattt	atcttctgat	tattggaatt	catccttcat	gaaattttta	60
gagtagtggt	ttaaattaag	ctccagagtg	taactgcaac	caaataagcaa	tacatacaag	120

tggtttttcca	ttcaaattta	caaaagcatt	atttattagt	aataaaaata	tagaaggaat	180
tcagttttcc	ttttatcccc	aattttttgc	ttttaaaaga	ccatttacta	acatcctact	240
gtagatattt	cgagagacag	atgaaaataa	taataataaa			280

<210> 532  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<400> 532						
ctgtgagact	gtcctttatt	gtgtatacag	gttccagcgt	cagggctctc	ccacggcccc	60
ctccccagtc	ctcccccaag	ggcccagagt	gggtgggagt	agaggccacc	ctaaggcaca	120
ctgaccagag	aggcatggag	ggaggaggct	gacttgccct	ggggaccctt	gctaactgag	180
accaccctt	cccctccacc	ctgcttctgt	atgtgggaga	cgaaaccaag	agtcactggg	240
ggcagcaggc	atttcccagg	gttaaggctg	atggaaggtc	cctatcccag	atgggagatg	300
ggggcttttc	ctatgactcc	ccccatcccc	cagctggaag	acgtggggag	gggtgcatag	360
ccttagagag	gtagaatgag	gggaaatact	cctcagtgcc	ca		402

<210> 533  
 <211> 413  
 <212> DNA  
 <213> Homo sapiens

<400> 533						
ataggtaaaa	tttttattta	tgaatgtgtg	gacacatgac	tttggatcca	gccagccagt	60
gacataaata	aacttgagca	aaagtttcaa	gctagaggat	atatatgtat	agaaaattat	120
atatttgtgt	gtgtgtgtta	ggcctcttgg	aacagtgcc	caaacctgga	caccaaccaa	180
cagaatactc	cgctcctttg	aaatttccat	taagagcaca	atgggggtta	ttataccagg	240
atgctccaat	cgctcctttc	atcttgtgca	ctcacatgcc	cgccaaacat	gaaatgttcg	300
ccttctccct	tccaatgtga	tggttgttga	acttatcttt	agtgtcattt	gataagcctt	360
tgtgctcaca	gagagacatc	ccactgacct	agccactggg	tcattgggtct	ata	413

<210> 534  
 <211> 392  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 534						
gactacaacc	agtgtttatt	cttgatttgt	caccactctt	ttcatagtct	tgttttcttc	60
cacatgttaa	atatataata	acaaaaactt	tactaacata	cgaatgaaga	aaacatgcgc	120
aagtantngc	atggcaggta	gtgaggaaat	ctggccagcc	gactggttcc	tttaccagg	180
tttgacagag	agggttgtgt	tgaacacctt	ctgtgggtct	gtgtcatttc	caagttgaag	240
aatttcagcc	aaagagcaac	atgtcacatt	gattaaagat	ggttaatgac	acagaaacat	300
ttctgttaat	actaagggaa	aaggctgttc	ttttatttat	ttatttttcc	tgagtcctca	360
cgtttttctt	ctctgacaaa	tgtttgaaat	tc			392

<210> 535  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 535  
 ttaagaattt ccaccacaa ttttattatt actgaaagca tttggaatga agcaaaggat 60  
 ttaacaatat atataaaaat atacattttt taaaaaatcg caagtagaca atagatttat 120  
 ggaattattt ttctgatcat ccagaaaaga tagcaatagt aaactgcagt tgggtngaga 180  
 ccagccactg ngctcatgag acctaagcag ccctaacgct gcctgagctc tcaagagtag 240  
 aagaaatgct cgacaaacag aaggaggctg tgggagggca gcaggacagc cccaccagaa 300  
 aaccagagcc caaatgggnt ggggcagggc caggggc 337

<210> 536  
 <211> 498  
 <212> DNA  
 <213> Homo sapiens

<400> 536  
 gaagcaagga gctaggaccc ccagtcctgc cccccaggag cacaagcagg gtccctcag 60  
 tcaaggcagt gggatgggcg gctgaggaac ggggcaggca aggtcactgc tcagtcacgt 120  
 ccacggggga cgagccgtgg gttctgctga gtaggtggag ctcatcgctt tctccaagct 180  
 tggaactgtt ttgaaagata acacagaggg aaagggagag ccacctggta cttgtccacc 240  
 ctgcctcctc tgttctgaaa ttccatcccc ctcaagcttag ggggaatgcac ctttttccct 300  
 ttctttctca cttttgcatg tttttactga tcattcgata tgctaaccgt tctcagccct 360  
 gagccttgga gaggagggt gtaacgcctt cagtcagctc ctggggatga aactcttaaa 420  
 tgctttgtat attttctcaa ttagatctct tttcagaagt gtctatagaa caataaaaat 480  
 cttttacttc tgaaaaaa 498

<210> 537  
 <211> 97  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 537  
 tttnttttt tttttttaac ttttgaattc cgtatTTTT aatggtctat ggtctacaaa 60  
 cactcatgtg caaacacata cagcagaat agggatc 97

<210> 538  
 <211> 267

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 538  
accgagtata ttctgtttat tgtttatgat ttacacagaa aatgatgggc tgggggttata 60  
gaacaataaaa ccaaccatta catttagacc tgggcttttg aaaaacttgc attccatttt 120  
aacaattcgt atgtatctaa caaatacata aatccagatc acaaataatc ttaagagtta 180  
aacaattaag aaacacaaag aataccacat agatctacct ttaaataatca gcattcatat 240  
tataagagat aagaaaatgt tanaaaag 267

<210> 539  
<211> 519  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 539  
aaccacanaa gagtagcagt ccattttctg gaagngcgca tgatattatg ancaatacaa 60  
atgcattatt tttatcatta atagtntaat cattaattat cncanaagtc aatgcagaga 120  
gtgaaattan tntgaattaa acttcngtgc anaatgtaca gtattttgca tatgtngact 180  
ttacttaatn gtncattntt gtttccaaag ttaangttaa atacctgggtg cataggttgt 240  
tgtcaagcaa ttactctcat tgtcttgta tacatgctaa cattttgcta aatataaatc 300  
tacaagtatc acagctgcat atatttctga agtgggttaga acagaggagg atgctggaaa 360  
gttgagttct ttaaaatctt cgttcaaaac aagagatttt catctatgtc ctcttcttta 420  
attccaaagc agtggnccca ctcttcagg gtgatgtgct tatecttntt ggggtcacac 480  
tccntcaaat aaacgggtta tgccagtgtt ccatgggcc 519

<210> 540  
<211> 359  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 540  
gaagctttta tcaactttta ttgatataat natmntnggt atgcantatg tcntgcaaca 60  
aatgtggata caatgacatc anntatcaaa gaattttccc acctttccat ctttaaataga 120  
cttcagctaa cttaccccaa gagaaaaatc tggcattgat ctcttggtta gcattattac 180  
caatatcaac tagcactatt aaaatcaaag ttgaaatggg acattcattt gccaaaaaaa 240  
aaaaaaagaa aaaaaaggct taaaggcaaa gaaggtgaat caacgtgcaa attagcatct 300



ggcccaattg caaaattcat ttcttgggat gtgagggatt gaaccatgca cacttggca 359

<210> 541  
<211> 328  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 541  
tttttttttt tgtttaaaat catttattat tatcaggagt gccttttagg tggaccgctc 60  
tgtatgactc tcatgcttca aaactatttt ttattcaagt gacttacaat ggccctagga 120  
aacaagttct gttattatcc cccattttta aatgatgaaa atggacaaag caaaagcaag 180  
caacttaacc aatacccat ggctcacag cctttagaat agtcatatta tataaatatg 240  
gcaataacaa tgcnctgaaa atgtctccaa aacaaactct acattttaaa aaatgtataa 300  
caggaatcta aggaagggtt ctacttc 328

<210> 542  
<211> 358  
<212> DNA  
<213> Homo sapiens

<400> 542  
tatctgcttt ttgtgctag tttcaaactg ccagtatttt tccttttgct tttaaaatag 60  
ttacaatatt ttcatgata gccacagtat tgccacagtt tattataata aagggttttt 120  
atgtgattta ggcattcaa agcttttttc tatcactttt gtgttcagaa tataaccttt 180  
gtgtgcgtgt atgttgtgtg tgtgcatgtg tggcgatat gtgtgttaca ggtaaatgcc 240  
ttcttggaaat tgtgttaatg ttctcttggt ttattatgcc atcagaatgg taaatgagaa 300  
cactacaact gtagtcagct cacaattttt aaataaagga taccacagtg caaaaaaa 358

<210> 543  
<211> 425  
<212> DNA  
<213> Homo sapiens

<400> 543  
tttttttttt ttaaaagcaa gaataatctt tattccttgg aaacacattt gtaaaaatgc 60  
tatcaataag atgaaaagat tcagaacaca ttattttgta tgcagcacat aactgagca 120  
tcagaacgct tgctaaaatg gaatacacct gtaaacaaat gccttaggga gagtttatag 180  
gtagtcagct ccactgtgca aggtatgcag ctgatacctt ctgctgaat agatttttgc 240  
agtagccaaa aaagatcaga ttttagtaat aaaatatctc aaaggatgtc aaacattttt 300  
tagagggctt aacatgggca aaattacaat tacatataca aaaatggcac aagaatcaac 360  
tgatttcaca gaaatactaa taaaacattt cagggctctat tattaagaga aaaaaatgtt 420  
tgact 425

<210> 544  
<211> 430

<212> DNA  
<213> Homo sapiens

<400> 544  
gaacaaacag catgcaactgt ggtatccttt atttaaaaat tgtgagctga ctacagttgt 60  
agtgtttctca tttaccattc tgatggcata ataaaccaag agaacattaa cacaattcca 120  
agaaggcatt aacctgtaac acacatatac gccacacatg cacacacaca acatacacgc 180  
acacaaaggt tatattctga acacaaaagt gatagaaaaa agctttgaat gcgctaaatc 240  
aaataaaaaac cctttattat aataaaactgt ggcaatactg tggctatcat gaaaaatatt 300  
gtaactatatt taaaagcaaa aggaaaaata ctggcagttt gaaactagca gcaaaaagca 360  
gataaaaata gaatggaaga taacataaga ctaatatcaa aattctaattg ttgatactgt 420  
gtaggattgc 430

<210> 545  
<211> 616  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 545  
gatttccatg cactttaatg aggtccagca ctcaggagga ttagcgccca ccaccagctg 60  
cctgggcagg ggagggccgg agcaggtngc aggcgtcagg cttaggacag ggaagggggc 120  
tcaggatggg gaagggtcct caggacaggg gaaggggctc agaagagagc agggggctta 180  
ggacaggaag gggcactcag gacggggcag ggaagggtgt gggggcagtc gccacctggg 240  
taggaagcag tgggtgtttt gacaggaggg gctggctctc cagtgaccca ggtggacacc 300  
ccaggcctga ctacaggctt tttggggaca tagtgggtgga tccagtcca gtagtaggtg 360  
acacgggtgt agatgccagg ccgggtgggc tgggcacagc tncgntccca gctgaccacg 420  
cccgcctgta gccagggtgcc attcaccttg cacaccagg gcccctccaga gttcgccctg 480  
gcatgagtc ctccgggtgt cccggcacac agcatgtcgt tcacggatga tgccgacgtc 540  
gtctccgctg taggcgcaa agtggtatct gcgtcacaaa tgtggtttcc attatgggga 600  
ccttcaactgc ttcagg 616

<210> 546  
<211> 428  
<212> DNA  
<213> Homo sapiens

<400> 546  
tttttttttt tttttttttt cgaaaacatc ggattttatta ggattagctg tagtgtacac 60  
tgattccttt agctctaaat ggatacatat gtgccccgca gacagtatac acgcagggat 120  
gtgactgagc cacagtgaac tagcaaacc aacagctggc ttgtgaagcc atcgtgatcc 180  
caacaaggct tatgttagca attggtgaaa gaagaagaga gtgagatggg acccagggtg 240  
gcctggagggt gggatcctgt gggttttcag agcaccacc agtgcctcct tggtagacct 300  
agcaccacct ggaagtggag ggaagctggg tcgctgctgg aaggagaga ggctgactct 360  
ctaccctca cctctgcaag gaactgaggc ctgtagggtt gcggctgtca ctggctaaca 420  
ggtctgtt 428

<210> 547  
 <211> 436  
 <212> DNA  
 <213> Homo sapiens

<400> 547  
 aaaattagaa agtgggtttat ttgcaattta catggattcc tctactttgt gaggttttagt 60  
 ataattgaaa tgtattgcaa ttttcaggaa cattacctac aaattgatat taggtgggtct 120  
 acagcttgta attgatgtgc ttcattgataa agatggcagt aatgatgttt taaatattct 180  
 agtgctcact ggatttcatt tttgcaggca atttgcagct cctctgagta aaacatttat 240  
 attcaattac agagtctgat aaataggatt cccgccacc cacccttct aatcactgca 300  
 gagtattaat aagtgtttc ttatggctga tttcttgagc ggagcaaaga taagattata 360  
 gccaaatttc tttcaaaacc tcagcagcat ctcttctggt gtagccattt agatattttc 420  
 ttccacctct ttgact 436

<210> 548  
 <211> 454  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 548  
 tatatgggaa catactgttt attcaataag aaattaattt tttatcggtg gatttgaata 60  
 aattttcttc tcccaagcaa tctgattggc agtacaccat tgcagcatat actttattat 120  
 tatcatcatt attattttcc acaacattta ataccaagtt tccttctctc acatagaata 180  
 ttaccaata gaagtctcca aaaggggcca tagcacattc ataacaaaga tagaaaagaa 240  
 aactttcaat gtctgtttc caatatgatg attcaactaa aacaaagctg aatttctcag 300  
 ctatgaaact gaaaaaatga aaatcagccc atgtgtacat cacggccagc catgatcatt 360  
 aacacctcca tgganatgag gggagaaaag agagaaacaa ctgcttcctt cttacccaaa 420  
 cttctaatat tagcttcaaa ttactttaaa aaaa 454

<210> 549  
 <211> 436  
 <212> DNA  
 <213> Homo sapiens

<400> 549  
 tacttttagtg ttgatcagtt tattagtatt tttccaaacc tgaagaatgg tgaaagtttg 60  
 tggtagagtg tggggaaaac agtaagtgtg gctttgggca agccacttcc cttctatggc 120  
 tctcagtttt cccatctgca caatgagggg gttggagtggt gtggtctcta aggcactgaa 180  
 tttcagtcgtg ttctccatcc atcagtggat atgtgagatg caatgcaggg gtgctggcct 240  
 gtccctggta atgagcgagg atatgagcaa agcagtgagt acagcctgga attccagcta 300  
 ctccaggaggc tgaggtacga gaatcacttt gaacttggga ggctgaggtt tcagttagct 360  
 gagatctggc cactgcactc cagcctgggc gacagagtga gactctgtct caaaaaaagg 420  
 attctacgac tatgat 436

<210> 550

09873267 060501

<211> 421  
 <212> DNA  
 <213> Homo sapiens

<400> 550  
 ctcacatctt tttaatcatt catattgact taatcagggt gacaaaatct caggggttggt 60  
 ctgggatcat tcacaaatca gaattactca gagaaatttt cacagcagtt gcagcagcac 120  
 aaactctaac gctgatttaa attaatcaact gttattaatg aacaaacttg aaaaaggaat 180  
 ttcatataga acattacatt tctccctgac actaccgat cataaaaaatt aaaaatgata 240  
 taaacatggt ttaaagtcatt agtggtagaa ccagccacac tacagtgcgg cattgttaga 300  
 agttcgctct caagttgact cagcttagta aagcaaattg ttctctgaga tttcagcttt 360  
 ggtagtcct ctttggctga catgaacatt atggagtgtt aactggtggt agcaacacat 420  
 a 421

<210> 551  
 <211> 427  
 <212> DNA  
 <213> Homo sapiens

<400> 551  
 tttacaagc caaagttgta tttttttaaa caggaaaatt atgtcaatat aaaacagata 60  
 aaaagacaaa aatcaaaaaca cacaacacag aaaagcacia cactcaagac cagtgcacac 120  
 ccttcccaac ccacttcca ggttttataa ccttgattac agatcccaa ggattagact 180  
 gtatcggaga ggtcacagta ttgaatcaga aaaagaagac atgtttttaa aggtctgtac 240  
 acaggtagtgt gtgtgtgggg tgggggatgt acacttcac actccaacat caaaaaacat 300  
 gatgcaaaaa ggatttcagc gatgaccaca gatttctaga accctaccac gtatgctagc 360  
 cccctcccc atccactttt aaaagttgct tttaaaaagg ataaaaagt cacagacact 420  
 ttcgtaa 427

<210> 552  
 <211> 391  
 <212> DNA  
 <213> Homo sapiens

<400> 552  
 tttttttttt tttcaagtaa aaacttaaaa cgttttatttc tggtagaaat gataaatact 60  
 ttgcattaaa aatctggaat tcaagttttc ctctgacttc atgtccctc cctgccccag 120  
 aaccttacia aaatattttt gtctagagag ggaaagagct ggtgcctgct ctggaggcaa 180  
 cgtccaggtc cgggaaaggc actcgtgggtc tgtgatctgt ctcaagtatg ggaggtctcc 240  
 actcgcacca caggcagcct cggggccaga gatgagaata tgctgtaac cagtacaggg 300  
 gctgcgtcgt ggggtcccaa cagtccttc tttggggata gtgagccct gttggggagt 360  
 aggaaggagc tgaggggccc tcccctcgtg c 391

<210> 553  
 <211> 114  
 <212> DNA  
 <213> Homo sapiens

<400> 553  
 gacaatactc aaagaatatt tattgttgac gcttttttcc ttatatttaa cattttgaga 60  
 taaaggctaa atgagtgtat ttgtgtgcgt atacaagtac aatcaatgta gggg 114

<210> 554  
 <211> 325  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 554  
 gttcctaaca caaatgtgaa tttattgggt gatttgatat ttaaaatagt actttttacaa 60  
 aatcatctca gaaaatatac tacattttatt aaaattccta caaaccattg cagaaaatat 120  
 taaaccctct aaccaaccta acactcgctt tcnnnggncc ctgggtgatga ttttcacagc 180  
 ttccatagtt gcaaagaaca aagaaatcat cttccaacag ggggtggaatt agataagaat 240  
 aatccaaaan atattttattt ctttacagac tcacagattg cttggatggt taggggctct 300  
 taccctagga taccctaatt attca 325

<210> 555  
 <211> 579  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 555  
 ctgtcaccca ggctagagtg cagtggcatg accttggctt actgcaacct ccgcctcctg 60  
 gggtcaagcg attccagaag agagaattct tagagtcaga gggaggagta gaaggaaaaa 120  
 gatattttaa aagctatgct tcaagaggac atttcatgct gtcaaaatga gactgtgaat 180  
 cagaaagtgc tcggggaact gcaagggtgct ctcaactagg ggtcgggttcc ttctcagtca 240  
 tggcactgac tcatctccac aggggttctca cctgcgggag gaaaatggag gagttgcgcc 300  
 tgtcagaaac tgtctgtgtg attcggggaa gaatatggag tatcttagta gcattccatt 360  
 attacttgcc cctaaatata tgatgccagc cccctgcaca gataacctcc tggctttttat 420  
 agctgaaata tatttgatct aaaccacgat ttgacatctc agagagagag aagtagataa 480  
 aagtctccat tccagggttg cagttaggat cctgcagaag tggctgaaat gaatttgggc 540  
 caacagagaa taagttctac agtcatttgt tcngccaat 579

<210> 556  
 <211> 379  
 <212> DNA  
 <213> Homo sapiens

<400> 556  
 attactatac cattttattt atgaattaat caatgttcaa atggaagagg ttttgacaat 60  
 gtcactatgt ttgatgttta tacctgccct gaatgcttgc tcagaagaga aacagatttc 120  
 ccagtatttt ttataactta ctttcccatt gtcttcaatt aatttgctat tatcccaagt 180  
 agacagacaa cttcagtagt agccatctcc ctacattttt agatcactga aaaaaatgga 240

tgagcaaccc	atgaaaataa	ctagcttact	gaaatgcttg	tctttttaaag	aaaagttggg	300
attattttaa	aaaaaaaaatg	gcccaggacc	agttagctag	gagatctggg	agagagaagt	360
cattgccttg	gttctgaca					379

<210> 557  
 <211> 427  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400>	557					
tttttttttt	tcttcccttg	nacnataaat	ttttattggc	aggtcaggan	aagagcnggg	60
ggtaagggtc	ccttccttnc	catccctcta	cncanaagac	accctccana	gganagnaga	120
agccccagag	cctgctgcct	cagaggacct	tggaggcaga	caaattgttg	tagtgatctt	180
cctgtccctc	gagcaggctg	cggttaggtg	gcaatctcct	gctccagccg	cgacttgatg	240
tccatgagcc	gctggtactc	ctgattctgc	cgctcactat	cagctcgcac	atcgcccagc	300
tgggttcaat	accgctgac	agcgccctgga	tatgcgccag	tgggctccaa	agcgcgctc	360
cgtttctgcc	agtgtgtctt	ccaaggcagc	tttcatgctc	agctgntgac	tgcagctcaa	420
tctcaag						427

<210> 558  
 <211> 424  
 <212> DNA  
 <213> Homo sapiens

<400>	558					
ggcagctcac	tccaggttta	tttcagggca	gtttgggggt	gggggacaaa	gacccccctc	60
cagctcctaa	actgggtcac	ttttctccca	gggtgaaggg	accatcctca	tgggatccta	120
tcgatgtgag	agctttgtgt	ccaccagggtg	tggctgggtg	caccaagggtg	aagggtttga	180
gggctgcaca	gggacccccca	gactggggag	tttggcctcc	tccctcagac	tggatggttt	240
cccagggttg	gaaagggggca	ggtctccctc	ctcagcttgg	gacttctcag	agggaggagc	300
tgagtgtctc	ctccctcaga	cccgcagccc	ctcaagggtg	tgcgatctgt	gccaccctct	360
ttgaccggtc	cctctgccct	cagactagcg	gaacaaaatt	acacctgaaa	gtggaggagc	420
gggt						424

<210> 559  
 <211> 432  
 <212> DNA  
 <213> Homo sapiens

<400>	559					
acattgtaac	aggtttatgc	atthttgaagt	gccttctaca	catccacca	gaggctctgc	60
tgatttact	tatgcccagg	ctataaaatg	cctttctctc	atccccagt	agagcactgg	120
gatcaccact	aggcctaggg	ggcatatcaa	gggttttaata	gactggggga	atgggcaaca	180
gaactggcta	ccttagaggc	tctggaatgc	ccccaccca	tccaccacc	aatggaagga	240
aagtccagca	tcgctaaaag	gagtgggtccc	tatctagccc	caagtctgga	gcagaaaggg	300
cagggtccatt	ctggcccaag	tgacattggt	aagatcctgt	cccctcccc	aatcactgct	360

gcttgccagg gtgcctcttc acagttccca tgtggcagca gtagtggcag aggcagaagt 420  
 ggacttattg ta 432

<210> 560  
 <211> 411  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 560  
 gagagtctca ctttggaatc agaattggaa tcacattctg tttatcaagc cataatgtaa 60  
 ggacagaata atacaatatt aagtccaaat ccaacctcct gtcagtggag cagttatggt 120  
 ttatactcta cagattttac aaataatgag gctgttcctt gaaaatgtgt tgttgctgtg 180  
 tcctggagga gacatgagtt ccgagatgac ccaatctgcc tttgaatctg gaggaaatag 240  
 gcagaaacaa aatgactgta gaacttattc tctgtaggcc aaatttcatt tcagccactt 300  
 ctgcaggatc cctactgcc aacctggaatg gagactttta tctacttctc tctctctgaa 360  
 gatgtcaaat cgtgggttag atcaaatata tttcaagcta tnagagcngg a 411

<210> 561  
 <211> 374  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 561  
 ttaagacaaa cataaccttt attctctctc aaaaaccagc agaacagggc ctggaaccat 60  
 attcgtaaat ttaaccagaa tcagaatact ttaactttca tagtctcatt taaaatttta 120  
 tagcaatata ctgaccattc taaaaataac aaaatacatg ttgctctcaa ctacatagtt 180  
 aaaaaaggta gtaaattctc ttacccaaaa tagaggaggg gtgggctagt gagctgctca 240  
 aacatttgta acaaataaaa atgtatctat atacatataa tgatcatggt ttcatagcct 300  
 aaaatcacca ttaacaaaat ctaataataa aattgtgtcg tggtcaggag ttgggaagcc 360  
 aacacattaa attn 374

<210> 562  
 <211> 479  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 562  
 atcatcataa aaaatattta ttataaaaaa ttatcacatt tctctgtaca tagcataaag 60  
 acaaaaacac aatgtataca ttaataaatt aagtgggcct gagtattcag tatccatcta 120  
 ctagaatcct aaagctcttc cccagatttc acaaaggcca atgtagatta tttctatttt 180  
 atcaaagttc atttgcacag ttggtgtaat tgagatacta acatttcttt tttctagtgt 240  
 tttaaagata gttcacagta tttgagttta ttaattaatc aactgattta aatcttttgt 300  
 aaatacaagt atttacctgt aaaaatgttt agctcaaatt tcagtaaaaa actggaaatg 360  
 accaataacc tactgccaac tgtttttggt taatccagaa atgcatgagc cggactccca 420  
 ccattaagaa atggcactgt cnaggacctc ngatgataaa actggaatcc ncaaaaaat 479

<210> 563  
 <211> 156  
 <212> DNA  
 <213> Homo sapiens

<400> 563  
 tttttttttg caaattttta cacaagattt tattaagac gggcaaattg gtgaggcata 60  
 cctgaatttc tggagatata caaatgcgtg aggctggcat catatgcaaa tgtggcttta 120  
 caaattgggt ttattttcta gctgtattta aagagg 156

<210> 564  
 <211> 108  
 <212> DNA  
 <213> Homo sapiens

<400> 564  
 tttttttttt tttacttttt aagctttttt attcttgaaa agttcaaaga tatacaaaga 60  
 tagactatgc aggataatga gccccacat actccgcac tcttgtct 108

<210> 565  
 <211> 213  
 <212> DNA  
 <213> Homo sapiens

<400> 565  
 tggacatctc agatgtgact cttgctgcc aagctagaatt taggctatgt gataattctc 60  
 agctgtccta caatgcctgc ttcttgaaag aagtcggcac tttctagaat agctaaataa 120  
 cctgggctta ttttaaagaa ctattttag ctcagattgg ttttcctatg gctaaaataa 180  
 gtgcttcttg tgaaaattaa ataaaacagt taa 213

<210> 566  
 <211> 559  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c



<400> 566  
tacaatgtgc attttattcc atatcattat ncaatgttta catatagtta anactctcaa 60  
ganaacgtcc tttaccagtt gtatgtgggt tctaaatctt taacatgaag gactgaaaag 120  
ggtggaaatc cacactgatt gttatcctac agattgtcat gagctgcacg tgncaatca 180  
ganaggaatg gaagtctcag aagagcagcg tggcttacag acccttggct ttagtgaatt 240  
caggcatgcg ggatccatag tctcatcttg taggtaaaac tcaagacaaa nataantt 300  
ntgttgaca gagttcntac attggtacaa tgnntnaaca aaaagacca caggggganc 360  
cttttngttc aaagtnggc ccaattccac acctgattgt ggtntccaac attnaacctt 420  
cctgtttgnc tccancattg ggcccttttg aaagggaact tctcctgcnt tagntgaggg 480  
attcccangn tnantaagcc cactggtngt ttgctaaann cncctacaan gtnttggcgg 540  
catnaaccgg ggaaantgg 559

<210> 567  
<211> 433  
<212> DNA  
<213> Homo sapiens

<400> 567  
ttttaaaaac aaagccatga aaaagattcc actttatttt atttattatt gttattgtta 60  
tttttacaaa caatagattt gctgcaacat gctctggctc atattattga attaaaaaat 120  
ttaacacatt tcaaaaatat caaaaatata ctataatgag tcttaagact acaatacgac 180  
aatgattgca caaaaccgta agatatgagc ccactgtctg gatgacatcc attggcaaca 240  
gtgagagaaa accctatagc atctgggaga agtgcagaa atttagaata caaggaacct 300  
atgtgtgact gactgatcac caaatgagcg aaacagagca ggattgactg tagctgcttt 360  
ttctcaatct aggaagtgtc taccccaact atggggcaaa agtcactaac tgggaaagat 420  
taacttgctc tca 433

<210> 568  
<211> 394  
<212> DNA  
<213> Homo sapiens

<400> 568  
ttagcatagt catcttagct ttattgagta aggcattcca atctctgcta agattcttct 60  
aaatgaacgg ctgatttttc tgccaaacta tgcattggctc aaagagaaat caccacctgg 120  
ccacccattt ctgtccccct acaggacact aagggttctt acagataaag ggacgatgca 180  
ttcatgcctg gagaactaat cacacctgat ttctctggga tctaaaataa tgtcaaattt 240  
gattcacttt atgtaaagaa aatctttttt ttctgcaaac cccttcagaa caatgctgcc 300  
atccatgcaa gatgtgtgta aggccacctc tgtatactaa gaatggtgcc ccagcaggtg 360  
gaaggatggc acacctgctg agcgtgggca cacg 394

<210> 569  
<211> 325  
<212> DNA  
<213> Homo sapiens

<400> 569  
gaggtggaat gcgtgtgttt atgtaggtag aaaaagtgc cagaacagtg aggggtgcagg 60  
gagcaaggac gtcctggcct ggccctcgat tcgctggaat tgcaaggacc ctccccagt 120  
aagggggctc cctcaagggt gggaatagag tggaggcccg cacgggagtt cttgtctgtg 180  
tgcaatccac tttgtgggcg tgtgggttta ggtctggctg ggccgtttct gaacttgacc 240

[illegible]

<400>		570								
gaagcagttc	tctttataaa	gtgttathtt	gatagtttgt	ggattctaaa	atatatatat					60
atztatataa	acaccatata	agtcaaatat	gtatttaaca	aagcaatatg	tattcattca					120
ctttcaagat	ttgttttggt	gtcaaaaaaa	catgaaaagg	tagatggagt	tgcttctggt					180
gaattagctc	tgccaccaat	atgtatcttc	atacacgttt	ggaaatgttt	cctgcagcat					240
taggtatgac	ttgttctgag	tactgcttcc	ggtgctaana	tgaacaaaga	atttgtactt					300
aatggcatgg	actctggaga	atctatgcga	atcaaccttt	ctaccttaat	atctccccaa					360
aaatgtatag	tgcttggttt	ttatgtacag	tttatataca	gaaaagtttg	ctctgcattt					420
ttgatgtaca	gtttatatac	agaaaagttt	gctctgcatt	tttgatgatg	gtttggaaca					480
ttatctacaa	ttttactc									498

<400>	571							
aaatacttta	gaagatcata	cttttcaaag	attttactaa	atcatttttt	taaacaaaat			60
atacatataa	tctcagattt	acagaatata	gaaataattt	atccaaagaa	atttgcaatt			120
aaaattgtta	atattgcacc	caacagtatg	tctttgacac	atttgcaattg	tcaatctttc			180
ccacaatttg	caaaaaacagg	agagaaatct	gaaactaaca	gaattacaca	agctaagttt			240
tctgtaaaaa	aagaaaaaac	ttacaatttt	ttatttacaa	gttaaggaaa	agttgtaaac			300
gttcaggatt	ttacttccac	agaataaaaa	gccatacatt	cttttatcat	acctagaaaa			360
tgaacatata	cacatttgtga	ttacctcata	ggaattcaac	aggactgata	ttgtgaacat			420
tcacagcccc	atggtaaaaa	acagaattct	cgaact					456

<400>	572								
acaattttaat	aattttattac	attacagtgg	catcacacca	gcagtcgaata	aggccactct				60
agggaaaaaat	c tt ttc agtat	t t c cat gaca	c att ct g t t t	acaataattc	ataaaactgggt				120
aaaatttcatt	ctaagaaaaac	ttggcaaatg	aaacttttggga	ctgggaattgg	cattttctttc				180
tctgcttttc	gttcccacca	tttcttttctt	ttatactaca	gtattcataat	tttaaaatgt				240
tttaaatttat	ttcagaacat	taagatatgca	gttacatttt	ttaatagtta	tattattttta				300
aatgactct	ttaaaataaaa	gttttagaga	aactatatta	tggatagggc	tgattttacat				360
tttcaaattt	tctaaaatca	gc							382

497

<212> DNA  
<213> Homo sapiens

<400> 573  
gcagtttaaa atgatttaat tgacaaattc ttgtgattta catttcagta atcaactgca 60  
aaagtgagga agtaattcat gggcctgtag tgcttttgaa aataatattt atgactcata 120  
aaaatgtaca ttcataatag tatgacatgg acatatttta agaaagttca agcatatata 180  
agcattgttt aatctcacia aatatattaa ttatgttggg aatatgtgca ttataaaagg 240  
gtcttttagtt taccaaaggg tt 262

<210> 574  
<211> 398  
<212> DNA  
<213> Homo sapiens

<400> 574  
tttttttttt cttatccatt gaaggacttt taattttgca gttattgatt aattaaaaaa 60  
cacagttggt ttcagcattt cctagctaca gtagtgcata ggaaattcca ttctaataca 120  
agaagtaatt aatgaaataa caacacacct taacatttta cattgatagg ttacagttta 180  
caaggtgctt tcacatacat tatttcattt gattcttaca acaagcagaa aaaacagtgg 240  
gaaagatttt ttttttcagg cttacaatga gtattttcag gccaatgggc agttaacaca 300  
agaatatacc aagaatgaga cagcaatacc cataagccac aatatcggtt ttggtagggt 360  
gacagtttga ttcaactggg tattcagcat cggtgagt 398

<210> 575  
<211> 376  
<212> DNA  
<213> Homo sapiens

<400> 575  
gttggaagca gccgcccaca cgctcctaac tctgctgcat ggcagatgcc taggtggaaa 60  
tagcaaaaac aaggcccagg ctggggcagg ggcagtagtg tgaaggccct ggattctcac 120  
tcatgtgaga tcttgaatct ctttctttgt tctgtttgtt tagttagtat catctggtaa 180  
aatagttaaa aaacaacaaa aaactctgta tctgtttcta gcatgtgctg cattgactct 240  
attaatcaca tttcaaattc accctacatt cctctcctct tcaactagcct ctctgaagg 300  
gtcctggcca gccctggaga agcactgggtg tctgcagcac ccctcagttc ctgtgcctca 360  
gccacaggc cactgt 376

<210> 576  
<211> 342  
<212> DNA  
<213> Homo sapiens

<400> 576  
aaaatttaag aaatctacct ctttatttta caccaaagct aacatcaagt gtttatttta 60  
aaaaataatg gcacctgctt tggattcatt gatgacacca caatggggtg aagatctaca 120  
gggaatttac aatttttaggc tgacatgaaa ctaagtagta actcacaaaa tggaaattct 180  
gcaacaagcc tcacaataaa catttccagt ttctactttc agagttgcta actactgctt 240  
aaacatatct taaacacaga gcacgttttg ttgaaatatt tctcttagga caaacacagt 300  
agacatgctt taaataaatt aaaattgcaa cacataaatc at 342

<210> 577  
 <211> 302  
 <212> DNA  
 <213> Homo sapiens

<400> 577  
 gactgaaaac tactttatTT gaagacattt tcttctatag ttctaaacac aaaaggaatg 60  
 ctgttatagt gggTatttca taggcattct tgtattcaaa tgaatcacat aatgtttaca 120  
 cttttaagct acacttgaaa ttgaagactt aatacaacct tttaacaaaag aaagtatcag 180  
 tcatatcaaa acataactat tcattctaca gattatcact ttccctaaaa tgactactag 240  
 atatgaaaac attgcaggga cagctcaagt gccccattct taagggtttt ttttaatagg 300  
 aa 302

<210> 578  
 <211> 410  
 <212> DNA  
 <213> Homo sapiens

<400> 578  
 cccagctttt caaaagtTTta ttttaagttt ggagactaga caaggTcata ctgggttttac 60  
 atcctacgtg atataagtat atatacaaaag aaaaaaacia cattggaata ttacacagct 120  
 tgaaggTTtg caaaggTTtat ttgtgtctta gttatttctg cacttaatga cacatcagac 180  
 gcattgagta tatttcataa gttgttgact agcaaagata caatcattag taacccaagt 240  
 cttcaaaatt cacaccaaac tttatgaagt cattcagaaa gagaaagtca atcctaaaat 300  
 taaaattggc aactatgata aataccttca aaaggatgta gatgtaatgg agatgtttaa 360  
 aagtttagtt tcattaattg taaaattagc atgttatatt tactcaatat 410

<210> 579  
 <211> 376  
 <212> DNA  
 <213> Homo sapiens

<400> 579  
 cacgtgaaaa aaagtTTttat ttagggagct ccagggaatg cggTgggaaa ggagaggtgc 60  
 agtgtcattg ccgcctctc ctccaccta gtgcattaat agtggatggg agcatctgac 120  
 agaagtgaga tcaggcagtg ggtgtctgca cccacagcg catgttggct ggaacagcaa 180  
 agtctatctg ctgaggtTTta ggcaagtTca ggttgcccat gatTTtgaca aactcctcac 240  
 agctgagggT gagccgaggg ttcagagtcc tctcctctc cacggTggac actgtgaacc 300  
 catggtaatc gtgagcaggg tagatcagac agtctcctgg aagtgtgaag atcttttcat 360  
 ggaccgagtg gTaaag 376

<210> 580  
 <211> 275  
 <212> DNA  
 <213> Homo sapiens

<400> 580  
 accataaaca aataaaattc tttatttTaa tttctcttgt ggggaaaata tttttctTTa 60  
 aagcacactt aaaagTaat tgcatttact tctgtTaaag catttccatt tcacaattag 120  
 caaaactaaa aggctatgtc tcttcatgca tttatttttg ttagaaaaat gtcccatggT 180

gctatcaaac cgattttaac catcatcaag cttactttg cctctgttga caacatgact 240  
 acaaacatga atcaaaaagg agttaaggaa tttta 275

<210> 581  
 <211> 435  
 <212> DNA  
 <213> Homo sapiens

<400> 581  
 aacgtcccaa taaaagttaa tttatggaca ctgaaatctg aatttcatat aaatttcacg 60  
 tcataagttt tcttttttcc tccaaccatt taaaaatgta aacattagtc ttagcttgca 120  
 ggcagcacia aagcgggtgg tagacaaat gtggaccag ggtgtagttt gccaaaccct 180  
 tttattagat caccaaagtt acttttctta aaataccttc tatttttcac agaaggtata 240  
 aatggtaaac aacatcttaa agcatcggta gtagtggata ccttggacat cactgtcact 300  
 ctcttaccgg gtttaatttt gcatggctgg tgtgggcgta attgagtgtg catgtagagc 360  
 atctttataa tattaccatc agcacatttg gtacttgcac ccttgtagtt ctaggaaaag 420  
 tcctaaaaat ctata 435

<210> 582  
 <211> 425  
 <212> DNA  
 <213> Homo sapiens

<400> 582  
 tttttcttaa aaagaaatgg ttttaatttca tttttatctg ggaaaaaac cacaatatcg 60  
 agtttaaaat gaaatgacaa atacattgac atgtcaagtg tcatttttta tgggtattatg 120  
 cttattcaag gtgtgaagat acagaacctc tttataaatt tctggcatca aagattccca 180  
 ccgtagataa aaacaggttg gttataaaat gtcaattcat taaatattca atttttgttc 240  
 tttgttttta taaggaatat tttgtagaaa cagtataaaa tagagtagac ttttggaaat 300  
 tgaattataa aatttttagaa aaaagtgtta agtcctaact tttctttgcg aaccaacaag 360  
 agagtctagt tttaccttgg ggagttacct gtgaagtgca ttaggcggct agagctgttt 420  
 cagag 425

<210> 583  
 <211> 392  
 <212> DNA  
 <213> Homo sapiens

<400> 583  
 ctgttagaga cattttatatt agaggcaaga aatggttaat aagatgagac ccttgggtct 60  
 aggagcgttt tgctcttttg ttttcttcg ttagagttag agattttttg ctgttggtga 120  
 aggcccttga agactgtagt ttaaattcaa ctggaaagtg gtcgctgaca tccagggcct 180  
 ccttttcagt cagcttgtaa gctttctgga agtcaaaaac actgtttgac ttgggaacaa 240  
 cagaactgac gatttcttct cctctaagca caatcctgtc atatgcacag ttggtgctct 300  
 tcttcaccgt ggtgtcctct tggteccga tcagccaaac aaacctgggg tcagtcctca 360  
 agcggtatgtt cttccaggcc ttcttgggga cg 392

<210> 584  
 <211> 353  
 <212> DNA